Construction News

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Feb. 6	Zelienople, Pa.	Jan. 25
Feb. 6	Whiteville, N. C.	Feb. 1
Feb. 8	Alma, Kan.	Jan. 25
Feb. 9	Guthrie, Okla.	Feb. 1
Feb. 10	Buffalo, N. Y. Adv. Feb. 1.	Feb. 1
Feb. 12	Willoughby, O.	Feb. 1
Feb. 12	Springfield, Mass. Adv. Feb. 1.	Feb. 1
Feb. 12	Milwaukee, Wis.	Feb. 1
Feb. 13	St. Henry, O.	Feb. 1
Feb. 13	De Beque, Colo.	Feb. 1
Feb. 14	Wellsville, O. Adv. Jan. 25 and Feb. 1.	Jan. 25
Feb. 14	Vorheesville, N. Y. Adv. Feb. 1.	Feb. 1
Feb. 15	Cheney, Wash.	Jan. 18
Feb. 15	Fond du Lac, Wis.	Jan. 25
Feb. 15	Aberdeen, Wash.	Feb. 1
Feb. 16	Gloucester, N. J. Adv. Feb. 1.	Feb. 1
Feb. 19	Carlyle, Ill. Adv. Feb. 1.	Feb. 1
Feb. 27	Canton, Ill. Adv. Feb. 1.	Feb. 1
Mar. 6	Toronto, Ont.	Feb. 1
Mar. 7	Rawlins, Wyo. Adv. Feb. 1.	Feb. 1

SEWERS

Feb. 5	Spring Valley, N. Y.	Jan. 25
Feb. 6	Springwells, Mich.	Jan. 18
Feb. 6	Lyons, Ill.	Jan. 25
Feb. 6	Ogden, Utah	Jan. 25
Feb. 6	New York, N. Y.	Feb. 1
Feb. 6	Denver, Colo.	Feb. 1
Feb. 7	Pittsburg, Kan.	Jan. 25
Feb. 8	Lodi, Calif.	Feb. 1
Feb. 8	Long Island City, N. Y.	Feb. 1
Feb. 12	Elmhurst, Ill.	Jan. 25
Feb. 12	Akron, O.	Feb. 1
Feb. 13	St. Louis, Mo.	Feb. 1
Feb. 23	Portland, Ore.	Jan. 11
Feb. 23	Scottsville, N. Y. Adv. Feb. 1.	Feb. 1
Feb. 24	Cuba, N. Y. Adv. Feb. 1.	Feb. 1
Mar. 12	New Castle, Pa. Adv. Jan. 25 and Feb. 1.	Jan. 25

WASTE DISPOSAL

Feb. 26	Tulsa, Okla. Adv. Feb. 1.	Feb. 1
Mar. 1	Spokane, Wash.	Jan. 18

BRIDGES

Feb. 5	Webb, Miss.	Feb. 1
Feb. 6	Green River, Wyo.	Feb. 1
Feb. 7	Mermenton, La.	Jan. 11
Feb. 7	Appleton, Wis.	Jan. 11
Feb. 7	Bison, S. D.	Jan. 18
Feb. 7	Prineville, Ore.	Jan. 25
Feb. 14	Minnesota	Jan. 25
Feb. 14	New Orleans, La.	Jan. 18
Feb. 16	Pikeville, Ky. Adv. Jan. 25 and Feb. 1.	Jan. 25
Feb. 19	Alabama	Jan. 25
Feb. 19	Seattle, Wash.	Feb. 1
Apr. 1	Wilkes-Barre, Pa.	Dec. 14
Sept. 1	Sydney, New South Wales, Australia	Aug. 3

DAMS

Feb. 20	Quebec, Que.	Feb. 1
Feb. 28	Illinois Adv. Feb. 1.	Feb. 1

EXCAVATION, DRAINAGE, IRRIGATION

Feb. 5	Los Angeles, Calif.	Feb. 1
Feb. 6	Terra Bella, Calif.	Jan. 18
Feb. 6	Muscatine, Ia. Adv. Jan. 25 and Feb. 1.	Jan. 25
Feb. 6	Houston, Tex.	Jan. 25
Feb. 6	Paradise, Calif.	Feb. 1
Feb. 7	Shreveport, La.	Jan. 18
Feb. 7	Baltimore, Md. Adv. Jan. 25 and Feb. 1.	Jan. 11
Feb. 14	Webster City, Ia.	Feb. 1
Feb. 15	Mankato, Minn.	Jan. 25
Mar. 1	Redwood Falls, Minn.	Jan. 25

STREETS AND ROADS

Feb. 5	Harrisville, W. Va.	Jan. 11
Feb. 5	San Jose, Calif.	Jan. 18
Feb. 5	Williamsport, Ind.	Jan. 18
Feb. 5	Lawrenceburg, Ind.	Jan. 18
Feb. 5	Versailles, Ind.	Jan. 25
Feb. 5	Evansville, Ind.	Jan. 25
Feb. 5	Salem, Ind.	Jan. 25
Feb. 5	Red Oak, Ia.	Jan. 25
Feb. 5	San Diego, Calif.	Jan. 25
Feb. 5	St. Petersburg, Fla.	Feb. 1
Feb. 6	Louisiana	Jan. 25
Feb. 6	Oroville, Calif.	Jan. 18
Feb. 6	Russellville, Ark.	Jan. 18
Feb. 6	St. Louis, Mo.	Jan. 18
Feb. 6	Wabash, Ind.	Jan. 18
Feb. 6	Marion, Ind.	Jan. 18
Feb. 6	Austin, Minn.	Jan. 18
Feb. 6	Duluth, Minn.	Jan. 18
Feb. 6	Mount Vernon, Ind.	Jan. 11
Feb. 6	Colfax, Ia.	Jan. 25
Feb. 6	Decatur, Ind.	Jan. 25
Feb. 6	Bloomington, Ind.	Jan. 25
Feb. 6	Princeton, Ind.	Jan. 25
Feb. 6	Austin, Minn.	Jan. 25
Feb. 6	Wilkes-Barre, Pa.	Jan. 25
Feb. 6	Santa Cruz, Calif.	Feb. 1
Feb. 6	Stockton, Calif.	Feb. 1
Feb. 6	Fresno, Calif.	Feb. 1
Feb. 6	Kelso, Wash.	Feb. 1
Feb. 6	Florida	Feb. 1
Feb. 7	New York Adv. Jan. 18 to Feb. 1.	Jan. 18
Feb. 7	Auburn, Ind.	Jan. 18
Feb. 7	Brookfield, Ill.	Jan. 25
Feb. 7	Wisconsin	Feb. 1
Feb. 7	Oregon	Feb. 1
Feb. 7	Madison, Fla.	Feb. 1
Feb. 7	Elkhorn, Wis.	Feb. 1
Feb. 8	Darlington, S. C.	Feb. 1
Feb. 8	Kalamazoo, Mich.	Feb. 1
Feb. 8	New York, N. Y.	Feb. 1
Feb. 8	Brooklyn, N. Y.	Feb. 1
Feb. 8	Long Island City, N. Y.	Feb. 1
Feb. 9	New Castle, Pa. Adv. Jan. 18 and Feb. 1.	Jan. 18
Feb. 9	Tennessee	Feb. 1
Feb. 9	Kaufman, Tex.	Feb. 1
Feb. 9	Ohio	Feb. 1
Feb. 12	Ontario	Jan. 18
Feb. 12	Salem, N. J. Adv. Jan. 25 and Feb. 1.	Jan. 25
Feb. 12	Duluth, Minn.	Feb. 1
Feb. 13	Atwood, Kan.	Jan. 18
Feb. 13	Tulsa, Okla.	Jan. 25
Feb. 13	Louisiana	Jan. 25
Feb. 13	Bexley (Columbus P. O.), O.	Feb. 1
Feb. 13	Kingstree, S. C.	Feb. 1
Feb. 13	San Diego, Calif.	Feb. 1
Feb. 13	Los Angeles, Calif.	Feb. 1
Feb. 14	Virginia	Jan. 25
Feb. 14	Henderson, Tex.	Jan. 25
Feb. 14	Canton, O.	Jan. 25
Feb. 14	Camden, Ark. Adv. Jan. 25 and Feb. 1.	Jan. 25
Feb. 14	Oklahoma	Feb. 1
Feb. 14	Florida	Feb. 1
Feb. 15	Salina, Kan.	Jan. 18
Feb. 15	Sioux City, Ia.	Feb. 1
Feb. 15	New Richmond, Wis.	Feb. 1
Feb. 19	Alabama	Jan. 25
Feb. 20	Waseca, Minn.	Jan. 25
Feb. 20	Charleston, S. C. Adv. Feb. 1.	Feb. 1
Feb. 26	Ontario	Feb. 1
Mar. 1	Marshall, Minn.	Jan. 25
Mar. 5	Hillsdale, Mich.	Jan. 25
Apr. 3	Amsterdam, N. Y.	Feb. 1
Apr. 23	Spokane, Wash.	Feb. 1

INDUSTRIAL WORK

Feb. 5	Shelbyville, Ill.	Jan. 11
Feb. 5	Minneapolis, Minn.	Feb. 1
Feb. 8	Phila., Pa.	Feb. 1
Feb. 10	Birmingham, Ala.	Feb. 1
Feb. 13	Oakland, Calif.	Feb. 1
Feb. 15	Cleveland, O.	Jan. 25
Feb. 23	St. Louis, Mo.	Feb. 1
Feb. 24	Columbus, Miss.	Feb. 1

BUILDINGS

Feb. 5	Trenton, N. J.	Jan. 18
Feb. 5	Albany, N. Y.	Jan. 25
Feb. 5	Mason City, Ia.	Feb. 1
Feb. 5	Bridgeport, Pa.	Feb. 1
Feb. 5	Lock Haven, Pa.	Feb. 1
Feb. 5	Akron, O.	Feb. 1
Feb. 6	West Springfield (Springfield P. O.), Mass.	Jan. 25
Feb. 6	New Prague, Minn.	Jan. 25
Feb. 6	San Antonio, Tex.	Jan. 18
Feb. 6	Toms River, N. J. Adv. Jan. 25 and Feb. 1.	Jan. 25
Feb. 7	Weston, Ont.	Jan. 18
Feb. 7	Columbus, O.	Feb. 1
Feb. 8	Massillon, O.	Jan. 25
Feb. 8	Phila., Pa.	Feb. 1
Feb. 9	Jamestown, N. Y.	Jan. 11
Feb. 10	Kenosha, Wis.	Jan. 4
Feb. 10	Evanston, Ill.	Feb. 1
Feb. 12	Albion, Mich.	Jan. 18
Feb. 12	Warren, O.	Feb. 1
Feb. 12	Massillon, O.	Feb. 1
Feb. 13	Taft, Calif.	Jan. 25
Feb. 13	Grand Rapids, Mich.	Feb. 1
Feb. 13	Oakland, Calif.	Feb. 1
Feb. 14	Marcy, N. Y. Adv. Jan. 25 and Feb. 1.	Jan. 25
Feb. 14	Kings Park, N. Y. Adv. Jan. 25 and Feb. 1.	Jan. 25
Feb. 14	Cleveland Heights (Warrensville P. O.), O.	Feb. 1
Feb. 15	St. Charles, Minn.	Jan. 11
Feb. 15	Greenville, O.	Feb. 1
Feb. 15	Minneapolis, Minn.	Feb. 1
Feb. 15	Williamson, W. Va.	Feb. 1
Feb. 16	East Boston (Boston P. O.), Mass.	Feb. 1
Feb. 17	Upper Arlington (Columbus P. O.), O.	Feb. 1
Feb. 19	Trafford, Pa.	Feb. 1
Feb. 21	Jamestown, N. Y.	Feb. 1
Feb. 21	Cleveland Heights (Warrensville P. O.), O.	Feb. 1
Feb. 23	Jamestown, N. Y.	Jan. 11
Feb. 23	Jamestown, N. D.	Jan. 25
Feb. 23	Roxbury (Boston P. O.), Mass.	Feb. 1
Feb. 26	Attica, N. Y.	Feb. 1
Feb. 26	Whitehall, N. Y.	Feb. 1
Feb. 27	Roosevelt, N. Y.	Feb. 1
Mar. 1	Red Lion, Pa.	Jan. 18
Mar. 1	Denver, Colo.	Jan. 18
Mar. 15	Duluth, Minn.	Jan. 18
Mar. 15	Trenton, N. J.	Jan. 11
Mar. 23	Shreveport, La.	Nov. 9
Apr. 1	Oil City, Pa.	Jan. 18

FEDERAL GOVERNMENT WORK

Feb. 6	Laboratory, etc. — Wash., D. C.	Jan. 25
Feb. 6	Stone—Wilmington, Del. Adv. Jan. 25 and Feb. 1.	Jan. 25
Feb. 6	Alterations—Dawson Springs, Ky.	Jan. 25
Feb. 7	Detonator and Storehouse—Puget Sound, Wash.	Jan. 11
Feb. 7	Water Supply System — Tiburon, Calif.	Jan. 11
Feb. 7	Mechanical Equipment—Chelsea, N. Y.	Jan. 25
Feb. 7	Dredging—Phila., Pa.	Jan. 25
Feb. 7	Water Softening Machinery —San Diego, Calif.	Jan. 25
Feb. 7	Dredging—Norfolk, Va.	Feb. 1
Feb. 8	Horses and Props—Cincinnati, O. Adv. Jan. 11 to Feb. 1.	Jan. 11
Feb. 10	Plotting Room, etc. — Ft. Tilden, N. Y. Adv. Jan. 18 to Feb. 1.	Jan. 18
Feb. 12	Steel, etc.—Cincinnati, O. Adv. Jan. 18 to Feb. 1.	Jan. 18
Feb. 12	Generator—Florence, Ala. Adv. Jan. 25 and Feb. 1.	Jan. 25
Feb. 13	Breakwater—Phila., Pa.	Jan. 25
Feb. 14	Sluice Gates — Boise, Idaho	Jan. 4
Feb. 14	Roads—California	Feb. 1
Feb. 15	Furnishing Stone, etc.—Crescent City, Calif.	Dec. 28
Feb. 15	Valves—Boise, Idaho	Jan. 4
Feb. 16	Hospital — Battle Creek, Mich. Adv. Jan. 18 to Feb. 1.	Jan. 18
Feb. 17	Tanks—Florence, Ala. Adv. Jan. 25 and Feb. 1.	Jan. 25
Feb. 19	Post Office—Nogales, Ariz.	Jan. 25
Feb. 21	Dredging—Galveston, Tex.	Jan. 11
Feb. 21	Castings, etc. — Florence, Ala. Adv. Jan. 25 and Feb. 1.	Jan. 25
Feb. 21	Refrigerating Equipment — Gulfport, Miss.	Feb. 1
Feb. 24	Quarter-boat and Barges — Wilmington, Del. Adv. Jan. 25 and Feb. 1.	Jan. 25
Feb. 26	Hospital—Gulfport, Miss.	Feb. 1

Bids Close		See Eng. News-Record
Feb. 28	Extension — Mare Island, Calif.	Feb. 1
Mar. 2	Stone—Eureka, Calif.	Feb. 1
May 10	Post Office — Cordova, Alaska	Jan. 25

MISCELLANEOUS

Feb. 5	Water Pipe and Fittings — Redwood City, Calif.	Jan. 18
Feb. 5	Turbine, Generator, etc. — Arizona	Jan. 18
Feb. 5	Lumber, etc.—Harlan, Ia.	Jan. 18
Feb. 5	Rock Crusher, etc. — Knox, Ind.	Jan. 25
Feb. 5	Lumber and Steel—Fairfield, Ia.	Feb. 1
Feb. 5	Motor Street Flusher — San Francisco, Calif.	Feb. 1
Feb. 5	Bridge Lumber—Minneapolis, Minn.	Feb. 1
Feb. 5	Plumbing and Drainage — Brooklyn, N. Y.	Feb. 1
Feb. 5	Fire Alarm System—New York, N. Y.	Feb. 1
Feb. 6	Culvert Metal, etc.—Osage, Ia.	Jan. 25
Feb. 6	Lumber, etc. — Maquoketa, Ia.	Jan. 25
Feb. 6	Lumber, etc.—Clinton, Ia.	Jan. 25
Feb. 6	Tractor and Grader—Burke, S. D.	Jan. 25
Feb. 6	Lumber, Steel, etc.—Newton, Ia.	Feb. 1
Feb. 6	Bridge Lumber, etc.—Eldora, Ia.	Feb. 1
Feb. 6	Truck Tractors—Minneapolis, Minn.	Feb. 1
Feb. 6	Caterpillar Tractor, etc. — Rochester, Minn.	Feb. 1
Feb. 6	Lumber, etc. — Burlington, Ia.	Feb. 1
Feb. 6	Tractor—Onida, S. D.	Feb. 1
Feb. 6	Supplies—Phila., Pa.	Feb. 1
Feb. 7	Screening Plant — Mora, Minn.	Jan. 18
Feb. 7	Motor Truck — Appleton, Wis.	Jan. 11
Feb. 7	Lumber, etc — Waverly, Ia.	Jan. 18
Feb. 7	Lumber, etc.—Vinton, Ia.	Jan. 18
Feb. 7	Lumber and Steel — West Union, Ia.	Feb. 1
Feb. 7	Lumber—Minot, N. D.	Feb. 1
Feb. 7	Portland Cement, etc. — New York, N. Y.	Feb. 1
Feb. 8	Park—Astoria, N. Y.	Feb. 1
Feb. 8	Lumber, etc.—Nevada, Ia.	Jan. 25
Feb. 8	Pipe, Piling, etc. — Cresco, Ia.	Feb. 1
Feb. 8	Steam or Motor Roller — Flemington, N. J. Adv. Feb. 1.	Feb. 1
Feb. 8	Coffee Conveyors, etc. — New Orleans, La.	Feb. 1
Feb. 9	Lumber, Piling, etc.—Garner, Ia.	Feb. 1
Feb. 9	Lumber, etc. — Sigourney, Ia.	Feb. 1
Feb. 9	Power and Lighting Systems, etc.—Phila., Pa.	Feb. 1
Feb. 13	Bridge Lumber—New Hampton, Ia.	Feb. 1
Feb. 14	Road Grader — Biwabik, Minn.	Feb. 1
Feb. 15	Dry Dock Machinery—Esquimalt, B. C.	Jan. 4
Feb. 15	Road Oil—Urbana, Ill.	Feb. 1
Feb. 19	Brick—Wash., D. C.	Jan. 25
Feb. 19	Steel Dump Hoist—San Jose, Calif.	Feb. 1
Feb. 20	Terra Cotta Pipe Drains, etc. —Charleston, S. C. Adv. Feb. 1.	Feb. 1
Feb. 22	Wharf—Grand River, Que.	Feb. 1

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Ohio—W. H. Duffy, dir. Pub. Serv., Columbus, soon takes bids two 500 gal. per minute vertical motor driven centrifugal pumps and one 500 gal. per minute duplex steam pump for water works at Girls' Industrial Home, Concord, Delaware Co.

O., Cleveland — S. K. Kleinman Realty Co. had plans prepared 1½ mi. 6 and 8 in. c.i. mains. $28,000. V. D. Croft, 621 Engineers' Bldg., engr.

Ia., Cedar Rapids—Mound Farm Realty Co., Cedar Rapids, having plans prepared 1½ mi. mains and sewers, also 20 blocks concrete sidewalks. T. R. Warriner, Klinger Bldg., engr.

Mo., Kirksville—Feb. 9, to vote on $325,000 bonds for extending waterworks. Black & Veatch, Mutual Bldg., Kansas City, engrs. Noted Dec. 7.

Tex., Bowie — Voted $22,000 bonds for waterworks improvements. Address Mayor.

Tex., Dawson—Planning waterworks improvements. $45,000 available. J. H. McCulloch, mayor. Municipal Eng. Co., Dallas, consult. engrs.

Tex., Quanah—Planning extensive waterworks improvements. $98,000 available. Elrod Eng. Co., Interurban Bldg., Dallas, genl. and consult. engrs.

Okla., Okmulgee — April 4, to vote on $150,000 bonds for waterworks improvements. T. B. Embree, Okmulgee, engr.

Okla., Depew — Having plans prepared pumping station, water mains and sewerage system. $50,000 bonds sold. Gantt & Baker, 1st Natl. Bank Bldg., Oklahoma City, engrs.

Calif., Oakdale—Oakdale and South San Joaquin Irrigation Dists., plan election to vote on $3,750,000 bonds for Melones Reservoir and power house.

Ont., Belleville—Having plans prepared filtration system. $150,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

BIDS DESIRED

Mass., Springfield—Feb. 12, by Bd. Water Comrs., Municipal Bldg., brass corporations, inverted key sidewalk cocks, tee handle M. & F. cocks, inverted key stop and waste cocks, and compression bibbs with hose spouts. H. M. King, supt.; adv. this issue.

N. Y., Binghamton—Bd. Contr. & Supply, taking bids 1,000 ft. 4 in. and 4,000 ft. 6 in. c.i. pipe. $5,000.

N. Y., Scottsville—See "Sewers."

N. Y., Buffalo—Feb. 10, by A. W. Kreinheder, comr. Pub. Wks., Municipal Bldg., furnishing c.i. pipe, specials, hydrants and valves, f.o.b. Buffalo; adv. this issue.

N. Y., Voorheesville—Feb. 14, by Bd. Village Trustees, Hose House. 3½ mi. c.i. mains, appurtenances and concrete reservoir. W. W. Chadsey, 434 State St., Schenectady, engr.; adv. this issue. Noted Sept. 21.

N. J., Gloucester—Feb. 16, by City Council, City Hall, 3,000,000 gal. rapid sand filtration plant, etc. Remington & Vosbury, 601 Market St., Camden, engrs.; adv. this issue.

N. C., Whiteville — Feb. 6, furnishing material and equipment for waterworks and electric light improvements, it is intended to build one plant, bids received will determine whether this will be operated by steam, Diesel or Semi-Diesel engines. Waterworks system includes one 500 gal. per minute centrifugal pump with base for direct connection to 60 hp. motor, one 500 gal. per minute centrifugal pump with base for direct connection to gas engine, one 200 gal. per minute centrifugal pump with base for direct connection to 20 hp. motor, one 60 hp. high voltage, high speed, slip ring motor, one 20 hp. low voltage, high speed, motor, one 60,000 gal. tank, 75 ft. tower, 18,178 ft. 6-8 in. B & S Class B pipe, 13,600 ft. 1½ in. galvanized pipe, etc. J. B. McCrary Co., 3rd Natl. Bank Bldg., Atlanta, Ga., engrs. Noted Nov. 23.

O., St. Henry—Feb. 13, by A. J. Davis, clk. Bd. Trustees of Pub. Affairs, furnishing and laying 16,795 lin.ft. 4-8 in. c.i. pipe, 12,500 lb. c.i. specials, etc. G. Champe, 610 Nasby Bldg., Toledo, civil engr.

O., Willoughby—Feb. 12, substructure for 17 x 28 ft. pumphouse and two 210 gal. per minute centrifugal pumps. $15,000. R. E. Garvin, Davis & Farley Bldg., Cleveland, engrs.

Ill., Canton—Feb. 27, by Fire and Water Com., drilling well, etc. E. F. Motsinger, city engr.; adv. this issue.

Ill., Carlyle—Feb. 19, at office City Clerk, material and labor for complete filtration plant. Dawson & Walraven, Springfield, engrs.; adv. this issue.

Wis., Milwaukee—Feb. 12, at office Central Bd. Purchases, 100 ton special castings, consisting of 3 Ways, 4 Ways, curves, etc., 4-16 in. diameter, for Class C water pipe; 3,000 ton 6-16 in. Class C water pipe. G. Staal, city engr.

Wyo., Rawlins—March 7, waterworks system. Welland Eng. Co., 721 Thatcher Bldg., Pueblo, Colo., engrs.; adv. this issue.

Okla., Guthrie—Feb. 9, by C. [illegible] Anderson, city clk., extensions to [illegible]erworks, incl. 12,300 lin.ft. 4-6 in. c.i. [illegible]ains, one 1,500 gal. per minute marine [illegible]ine pump unit installed, 100 cu.yd. loose [illegible]ock and 100 cu.yd. solid rock; sewer extensions incl. 192 lin.ft. 12-16 in. c.i. sewers, 8,900 lin.ft. V.S. or concrete pipe, [illegible]00 cu.yd. loose rock and 800 cu.yd. solid rock excav., 10,000 lb. steel 1 beam sewer bridge, etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Dec. 28.

Colo., De Beque — Feb. 13, by City Council, Pueblo, improving water system here. $35,000. Weiland Eng. Co., 717 Thatcher Bldg., Pueblo, engrs.

Wash., Aberdeen — Feb. 15, by City Council, laying 5,000 ft. 16 in. c.i. mains. A. H. Blood, Aberdeen, engr.

Ont., Toronto—March 6, by C. A. Maguire, mayor, chn. Bd. Control, 36 and 42 in. stop valves, Tender 38, 36 in. check valves, Tender 39.

BIDS RECEIVED

O., Sandusky—Erie Co., 23,600 ft. 4 and 6 in. c.i. mains in Co. Sewer Dist. 2, from Homeberger & Wager Eng. & Constr. Co., Sandusky, $66,112; United Eng. & Constr. Co., Sandusky, $67,132.

Wis., Milwaukee—Central Bd. Purchases opened bids Jan. 25, (1) two hundred 6 in. gate valves (2) one hundred 8 in. gate valves (3) twenty-five 12 in. gate valves (4) twelve 16 in. gate valves (5) twenty five 2 in. special or tapping valves (6) fifteen 3 in. special or tapping valves (7) twenty 6 in. special or tapping valves, from Chapman Valve Mfg. Co., Indian Orchard, Mass., (1) $21.50 (2) $38.75 (3) $77 (4) $150 (5) $44 (6) $17.30 (7) $30.60, Nelson Valve Mfg. Co., Wyndmoor, Phila., (1) $28 (2) $46 (3) $90 (4) $175 (5) $17.26 (6) $22.96 (7) $37.07, B. Hoffman Mfg. Co., 257 6th St., (1) $21.06; furnishing (1) one thousand five hundred ¾ in. corporation cocks (2) two thousand ¾ in. corporation cocks (3) one thousand five hundred ¾ in. curb cocks (4) one thousand five hundred 1 in. curb cocks (5) one thousand five hundred ¾ in. meter cocks (6) one thousand five hundred ¾ in. meter cocks (7) three thousand ¾ in. meter couplings (8) three thousand ¾ in. meter couplings, from H. Mueller Mfg. Co., 512 Cerro Gordo St., Decatur, Ill., (1) $0.71 (2) $0.92 (3) $0.79 (4) $1.10 (5) $0.59 (6) $0.78 (7) $0.14 (8) $0.24, Glauber Co., Cincinnati, O. (street address not available) (1) $0.75 (2) $1.02 (3) $0.87 (4) $1.32 (5) $0.60 (6) $0.82 (7) $0.14 (8) $0.24, Randle-Spence Mfg. Co., 55 4th St., (1) $0.76 (2) $0.95 (3) $0.82 (4) $1.15 (5) $0.64 (6) $0.84 (7) $0.16 (8) $0.25; 200 fire hydrants, from R. D. Wood, 2100 Locust St., Phila., $76.75, A. P. Smith Co., Norman St., East Orange, N. J., $82.40. Noted Jan. 18.

Wis., Milwaukee—Sewerage Comn. opened bids Jan. 26, 1,725 ton Class A water pipe and special castings, from U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, (Item 1) $55.95 per ton (2) $97.65 (3) $80,95 (4) $134 or (5) $145 (6) $235; sluice gates, valves, etc., (1) one 6 x 6 sluice gate (2) two 6 x 6 sluice gates, (3) sixteen 4 x 4 sluice gates (4) ten 8 in. circular sluice gates (5) two 60 in. gate valves (6) one 54 in. gate valve (7) one 48 in. gate valve (8) one 24 in. gate valve (9) one 12 in. gate valve with indicator (10) twenty-six 12 in. gate valves, chain operated (11) one 8 in. gate valve, chain operated (12) eleven 8 in. gate valves, beveled gears (13) four 8 in. gate valves (14) four 6 in. gate valves, from Ludlow Valve Mfg. Co., Ft. Adams St., Troy, N. Y., (1) $1.145 (2) $2,182 each (3) $1,535 (4) $55 (5) $1,975 (6) $1,470 (7) $1,080 (8) $230 (9) $75.50 (10) $56.50 (11) $32.50 (12) $49 (13) $38.50 (14) $20; Chapman Valve Mfg. Co., Indian Orchard, Mass., (1) $1,285 (2) $1,995 (3) $1,390 (4) $44.75 (5) $1,551 (6) $1,181 (7) $835 (8) $196 (9) $69 (10) $49 (11) $35.40 (12) $58 (13) $42.80 (14) $19.30; Kennery Valve Mfg. Co., East Water St., Elmira, N. Y., (5) $2,524.25 (6) $2,123.73 (7) $1,040 (8) $212.45 (9) $100 (10) $81.03 (11) $45.58 (12) $47.56 (13) $47.05 (14) $26.70. Noted Jan. 18.

CONTRACTS AWARDED

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Ave. A, 1st and 2nd Aves., East 42nd and East 81st Sts., to Beaver Eng. & Contg. Co., 57 Chambers St., $134,738. Engrs. est. $135,000. Noted Jan. 25.

Fla., Plant City—See "Sewers."

O., Cleveland—For 500 ft. concrete inlet and outlet tunnel, 3,696 cu.yd. concrete, 5,400 cu.yd. earth excav. and 110,000 lb. reinforcing, to P. F. Connolly, Commonwealth Bldg., $221,153. Noted Jan. 25.

Waterworks (Continued)

Minn., St. Paul — H. W. Austin, city purch. agt. for Water Dept., c.i. pipe specials, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala.; thirty coils ¾ in., one thousand ¾ in., two hundred and fifty 1 in., and one hundred and twenty five 1¼ in. extra strong lead pipe, to United Lead Co., 102 Fairfield Ave., W., $28,000; 2,250 corporation cocks, 190 curb cocks, 200 brass soldering nipples, 150 brass gate valves, to H. Mueller Mfg. Co., 434 West Cerro Gordo St., Decatur, Ill., $5,047. Noted Jan. 11.

Kan., Quinter — Waterworks system, to Reed & Wheelock, Clay Center, 2 in. galvanized pipe $0.43, 4 in. c.i. pipe $0.95, 6 in. c.i. pipe $1.30, fire hydrant $50, tower and tank $4,900, concrete $8, pump house and derricks $700, total $30,007.

S. D., White Lake—See "Sewers."

Tex., Dallas—City Comn., two 2,000,000 gal. steel and concrete standpipes, 60 x 100 ft., one in Lakewood other in Belmont, to Chicago Bridge & Iron Wks., Praetorian Bldg., $51,300 and $51,900 respectively. Engrs. est. $40,000-$50,000 each. Noted Jan. 11.

Tex., Highland Park—Well, pumps, etc., to R. H. Dearing & Sons, Sumpter Bldg., Dallas, $100,000. Noted Jan. 25.

Okla., Oklahoma City—For 500 ton 6 in., 10 ton 4 in. and 10 ton 3 in. c.i. pipe, to National Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., 6 in. at $43 per ton f.o.b. Birmingham; one 8,400 gal. per minute centrifugal pump, to N. S. Sherman Machine & Iron Wks., East Main St., Oklahoma City, one 5,600 gal. per minute centrifugal pump, to Allis-Chalmers Mfg. Co., West Allis, Wis.

Okla., Tyrone — Waterworks improvements, incl. drilling and casing two 12 in. wells, constructing two pump houses and derricks, two 60 to 75 gal. per minute deep well pumps, two 250 gal. per minute motor driven centrifugal fire pumps complete with motors and controls, 150,000 gal. rein.-con. reservoir, one 30,000 gal. steel water tank on 80 ft. tower, rein.-con. and tile power house, cooling tower with concrete basin, machinery, tank and tower foundations, two panel switchboard, 924 ft. 8 in., 1,488 ft. 6 in., and 15,456 ft. 4 in. Class B c.i. pipe, 3,663 ft. 2 in. galvanized pipe, 10,500 lb. c.i. specials, etc., to Ajax Constr. Co., 1825 West Main St., Oklahoma City, $61,534. Engr. est. $70,000. Noted Nov. 30.

Utah, Provo—State Water Comn., Salt Lake City, plans pipe line from Slate Canyon to Mental Hospital, here. $40,000. R. E. Caldwell, state engr.

Sewers

PROPOSED WORK

Mass., West Springfield—Plans large sewer, Merrick section. $100,000. Steele Bros., Elm St., engrs.

N. Y., Endicott—Endicott Johnson Corp., 108 East Main St., plans trunk outfall sewer in West Endicott for factory and home development. $200,000. Hoadley & Giles, c/o owner, engrs.

N. Y., Oneida—Plans prepared and takes bids about May 1, sewage disposal plant, incl. Imhoff tanks, pumping plant, 1,350 lin. ft. 24 in. trunk sewer, etc. $60,000. J. M. Hutton, city engr.

Pa., Erie—Plans 20,000 lin.ft. 10 in. sewer in Frontier Pl., 19,000 lin.ft. 10 in. sewer in Lakeside Ave. and 13,000 lin.ft. 12-36 in. tile in Ferncliff Ave. F. G. Lynch, city engr.

N. C., Raleigh — City plans installing 2,482 openings or new connections and additional mains in Hayes-Barton and Oberlin sections. $93,000. J. B. Bray, comr. Pub. Wks.

Fla., Miami—City plans election to vote on $75,000 bonds for storm sewers, $100,000 bonds for sanitary sewers. C. W. Murray, city engr.

O., Akron—W. F. Peters, dir. Pub. Serv. takes bids in February or March for 3,000 ft. of 8-30 in. vitr. clay sewers in Evers, Weaver and Spaulding Sts., $25,000; 2,000 ft. of 15-24 in. vitr. clay sewer in Garry Rd., $10,000; 6,000 ft. of 8-27 in. vitr. clay, segmental block or brick sewer in Case Ave., $25,000; 3,000 ft. of 114 in. segmental block of brick for Willow Run 3 sewer, $185,000; 4,600 ft. of 30-54 in. segmental block or brick for Forest Hill trunk sewer, $95,000; 3,000 ft. of 42-66 in. segmental block or brick for Carpenter Heights trunk sewer, $80,000. J. E. Root, Delaware Bldg., engr.

O., Wapakoneta — Takes bids about March 15, for sewerage system, 8-30 in. pipe and segmental block. $126,000. J. H. Meyer, Wapakoneta, engr.

Wis., Cashton—Making plans sewerage system incl. at least 2 disposal plants. $35,000. W. G. Kirchoffer, Dean Bldg., Madison, engr.

Ia., Cedar Rapids—See "Waterworks."

Mo., Harrisonville—Voted $60,000 bonds sanitary sewerage system. W. R. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs. Noted Dec. 21.

Tex., Nacona—City Comn. soon takes bids sanitary sewers in various streets. $50,000. Elrod Eng. Co., 3206 Elm St., Dallas, engrs.

Tex., Rosenberg—Citizens voted $50,000 bond issue for sanitary sewer improvements, incl. sewage disposal plant. E. E. Sands, City Hall, Houston, consult. engr.

Okla., Depew—See "Waterworks."

Okla., Guthrie—See "Waterworks."

Utah, Ogden — City Comn. takes bids early in spring, 8-16 in. vitr. clay sanitary sewers in vicinity of Five Points Dist. $75,000. W. S. Craven, city engr.

Calif., Centerville—Union Sanitary Dist. soon takes bids 52,000 lin.ft. of 6-14 in. ironstone vitr. sewer pipe. $75,000 bonds voted. G. Posey, Courthouse, Oakland, engr. Noted Jan. 4.

BIDS DESIRED

N. Y., Cuba—Feb. 24, by Bd. Village Trustees, sewerage system and sewage disposal works. Hopkins & Field, 349 Cutler Bldg., Rochester, engrs.; adv. this issue.

N. Y., Long Island City—Feb. 8, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Hemlock Pl. from Collins to Clermont Aves., Clermont Ave. from Hemlock Pl. to Hebbard Ave., 2nd Ward, Justice St. from Toledo to Chicago Sts., 2nd Ward, 89th St. (Ocean View Ave.) from 102nd Rd. (Huntington St.) to point 330 ft. south of Liberty Ave., Liberty Ave. from 89th to 90th St. (Gherardi Ave.), 90th St. from Liberty Ave. to point 350 ft. south of Liberty Ave., 4th Ward, 92nd St. (Bigelow Pl.) from Atlantic Ave. northside to 92nd Ave. (Hopkins Ct.), 92nd Ave. from 92nd St. to Woodhaven Blvd., 4th Ward, 114th St. (Stoothoff Ave.) from Liberty Ave. to point 550 ft. south of Liberty Ave., 4th Ward, 115th St. (Hamilton Ave.) from Liberty to Roanoke Aves., 4th Ward.

N. Y., New York—Feb. 6, by H. Bruckner, pres. Bronx Boro, Tremont and 3rd Aves., sewers across Bronx Parkway, in Williamsbridge Rd., Odell St., Edenwald, Barkley and Hobart Aves.

N. Y., Scottsville—Feb. 23, by Bd. Village Trustees, sewerage system, disposal works and waterworks system. Hopkins & Field, 349 Cutler Bldg., Rochester, engrs.; adv. this issue. Noted June 29.

O., Akron—Feb. 12, by W. F. Peters, dir. Pub. Serv., vitr. pipe and trunk sewer improvements in West Market St. $31,690, Bye St. Storm Sewer (Contr. 1) $70,350, Bye St. Storm Sewer (Contr. 2) $63,800, Lucy Robert and Duane Sts. $18,050, North St. $13,950. J. E. Root, Delaware Bldg., engr.

Mo., St. Louis — Feb. 13, by Bd. Pub. Serv., City Hall, district sewer in Manchester Sewer Dist. 2, 6,000 cu.yd. excav., 300 cu.ft. "B" concrete, 2,600 cu.ft. brick masonry, 5,320 lin.ft. 8-30 in. vitr. pipe, 11,400 lb. cast and 1,250 lb. wrought iron, etc., $22,500; in Harlem Creek Sewer Dist. 19, 1,700 cu.yd. excav., 1,015 cu.ft. brick masonry, 100 cu.ft. concrete, 1,528 lin.ft. 8-18 in. vitr. pipe, etc., $3,750; Harlem Creek Dist. Sewer 20, 6,225 cu.yd. excav., 300 cu.ft. gravel, 2,800 cu.ft. brick masonry, 5,825 lin.ft. 8-27 in. pipe, 11,624 lb. cast and 1,105 lb. wrought iron, etc., $19,500; Glaise Creek Sewer Dist. 20, 3,710 cu.yd. excav., 300 cu.yd. Class "C" concrete, 2,915 cu.ft. brick masonry, 300 cu.ft. gravel, 5,500 lin.ft. 10-24 in. vitr. pipe, etc., $12,500; Glaise Creek Sewer Dist. 23, 545 cu.yd. excav., 245 cu.ft. brick masonry, 1,065 lin. ft. vitr. pipe, etc., $3,050. W. W. Horner, city engr.

Tex., Houston—City Comn. taking bids storm sewers in Westheimer Ave. $60,000. J. C. McVea, city engr.

Col., Denver—Feb. 6, at office Dept. Impvts. and Parks, sanitary sewers with necessary manholes, etc., in Eastern Capitol Hill Special Sanitary Sewer Dist. $2,000,000. W. B. Lowry, mgr.

Calif., Lodi—Feb. 8, by City Council, activated sludge plant, pump house, concrete foundations, etc., in connection with sewerage disposal plant. $75,000. L. F. Barzellotti, city engr. C. F. Smith, 7 Nottingham St., Berkeley, engr.

Wash., Kelso—See "Streets and Roads."

BIDS RECEIVED

Pa., Phila.—Opened bids Jan. 17, sewer in Delaware Ave. from Snyder to Bigler Sts., from W. H. Garson, 5033 Brown St., $13,993, Lombardi & Co., Inc., Lincoln Bldg., $15,613, J. J. McHugh, 1617 Race St., $20,565; drainage ditches in 40th Ward, from Lombardi & Co., Inc., Lincoln Bldg., $128,544, Lombardi & Yettman, Lincoln Bldg., $147,880, C. A. Conman, Mud Puddle Lane and Pennsylvania R.R., $187,652. Noted Jan. 11.

O., Sandusky—Erie Co., 16,915 ft. 6-15 in. vitr. tile sewer in Co. Sewer Dist. 2, from Homberger & Wager Eng. & Constr. Co., Sandusky, $29,493; United Eng. & Constr. Co., Sandusky, $29,774.

Calif., Lodi—City Trustees, machinery for sewerage disposal plant, centrifugal pumps, from United Iron Wks., 580 2nd St., Oakland, furnishing equipment alone $2,857, equipment and installation $3,385, equipment and installation without wiring $3,185; electric motors, from Fairbanks-Morse Co., 651 Mission St., San Francisco, $3,236; air compressors, from Halloran & Golcher, Sharon Bldg., San Francisco, $7,270; water systems, from Lodi Implement Co., Lodi, $1,045; flow meters, from General Electric Co., Rialto Bldg., San Francisco, $1,460; filtrous plates, from General Filtration Co., 325 Cutler Bldg., Rochester, N. Y., $4,380; fine screens and clarifiers, from Dorr Co., 101 Park Ave., New York City, $4,570 and $6,620 respectively. Noted Jan. 4.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, sewer in Lenox Rd., to A. Mannino, 263 86th St., 96% of engrs. est. ($7,219); Hegeman Ave., Bristol, 40th and East 10th St., to B. Peconi & Son, 570 18th St., 99% of engrs. est. ($2,264), 105% ($1,269) 102% ($4,571) and 101% ($3,348) respectively; Malta St. and Vandervoort Ave., to G. L. Schrade, 693 Flatbush Ave., 82% of engrs. est. ($2,917) and 108% ($2,631) respectively. Noted Jan. 11.

N. C., Charlotte—Bd. Comrs., 8 mi. sewer and drains, to Tucker & Lexton, Realty Bldg., $66,566. Noted Jan. 11.

Fla., Plant City—City will extend sewerage system and water mains, by day labor, $36,000. E. N. Stanley, city engr. Noted Dec. 7.

S. D., White Lake—Sanitary sewerage system, incl. 15,755 lin.ft. 8-12 in. vitr. tile pipe, disposal plant, to O. N. Gjellefald, Forest City, Ia., $24,000; waterworks system incl. 12,510 lin.ft. 4-8 in. c.i. pipe, 50,000 gal. elevated tank on 100 ft. tower, pumping station, and 100,000 gal. rein.-con. reservoir, to J. S. Harrington, 3001 Mason St., Omaha, Neb. Noted Jan. 4.

Mo., Hamilton—New sanitary sewerage system, 54,383 ft. trenching and backfilling, 54,293 ft. 8-12 in. vitr. and 88 ft. 8 and 10 in. c.i. pipe, etc., to C. H. Everett, Hutchinson, Kan., $93,000. Noted Dec. 7.

Waste Disposal

PROPOSED WORK

N. Y., Carthage—Plans garbage reduction plant. C. F. Adams, pres. village bd.

Fla., Miami — Plan to vote on $35,000 bonds to purchase new incinerator. C. W. Murray, Miami, engr.

BIDS DESIRED

Okla., Tulsa—Feb. 26, by Bd. Comrs., garbage and refuse destructor. C. Schultz, city engr.; adv. this issue.

CONTRACTS AWARDED

N. Y., New York—Dept. Plants & Structures, Municipal Bldg., equipping and completing destructor station, 56th St. and 12th Ave., for Dept. Street Cleaning, to Kelly & Kelley, 35 12th St., Long Island City.

Bridges

PROPOSED WORK

Pa., Allentown—City, Lehigh Co., and Phila. & Reading R.R., Reading Terminal, Phila., plans rein.-con. bridge, incl. three 75 ft. arch spans and two 35 ft. cantilever arches, 30 ft. driveway, two 6 ft. sidewalks, over tracks of Phila. & Reading R.R., Cum-

Bridges (Continued)

berland St. Cost between $150,000 and $200,000. H. F. Bascom, city engr., S. T. Wagner, ch. engr.

Tennessee—See "Streets and Roads."

Ohio—See "Streets and Roads."

Kan., Wellington — Comrs. Sumner Co. soon take bids 300 ft., deck girder bridge over Ninnescah River, Project 35, six 50 ft. spans, 20 ft. roadway, $30,000; 300 ft. deck girder bridge over Chicaskia River, Federal Aid Project 35, six 50 ft. spans, 20 ft. roadway, $30,000; deck girder bridge with two 45 ft. spans, $10,000. J. W. Mavity, Wellington, engr.

California—Private Corporation now being formed and having plans prepared by J. B. Leonard, engr., 57 Post St., San Francisco, and L. P. Hobart, archt., Crocker Bldg., San Francisco, steel and concrete bridge at Little Coyote Point, between San Mateo and Alameda Counties, $10,000,000.

Ont., Toronto—Provincial Dept. Pub. Highways, University Ave. and Dundae St., having surveys made 750 ft. steel plate girder bridge, 40 ft. roadway, steel towers, concrete floor, footings and abutments, over Humber River on Bloor St. $200,000. G. Hogarth, ch. engr.

BIDS DESIRED

Miss., Webb—Feb. 5, by Bd. Supervs. Tallahatchie Co. (Sumner), steel bridge, three 80 ft. spans, concrete floors, piers and abutments, over Cassidy Bayou, here. H. L. French, Sumner, engr.

Tennessee—See "Streets and Roads."

S. C., Darlington — See "Streets and Roads."

S. C., Kingstree — See "Streets and Roads."

Wyo., Green River—Feb. 6, by State Hy. Dept., Cheyenne, 286 ft. steel truss bridge, 3 spans, cantilever arch, concrete abutments, here. $34,000. R. J. Templeton, Rock Springs, engr.

Wash., Seattle—Feb. 19, by Comrs. King Co., 160 ft. steel span bridge over Tolt River, at Carnation, curved chord Pratt design; 140 ft. bridge, with 300 ft. timber approach, over Cedar River, Maple Valley, $26,000. T. R. Beeman, 7807 Woodland Park, engr.

BIDS RECEIVED

Ohio—See "Streets and Roads."

S. C., Converse—State Hy. Comn., at office Spartanburg Co. Highway Comn., Spartanburg, constructing bridge over Pacolet River, on State Highway 8, here, from W. M. Orr, Hendersonville, N. C., $73,051; P. S. Minus, Spartanburg, $73,542; General Road and Drainage Co., Liberty Bank Bldg., Columbia, $73,841. Noted April 13.

CONTRACTS AWARDED

Mo., Sullivan—State Hy. Dept., Augusta, substructure for 971 ft. concrete bridge, 21 ft. wide, 2 abutments, 5 concrete and cut granite piers, over Taunton River between here and Hancock, 16,000 cu.yd. earth approach and fill, to J. H. Kerr, Rumford, $266,663. Engrs. est. $300,000.

N. H., Haverhill—States of New Hampshire and Vermont, bridge over Connecticut River between here and Newberry, to Boston Bridge Wks., 47 Winter St., Boston, Mass., $61,700. Noted Dec. 7.

Mass., Cambridge — Bridge over Broad Canal on 1st St., single leaf movable draw span, 51½ ft. long, 54 ft. wide, to Boston Bridge Wks. Inc., 47 Winter St., Boston, $47,487. Noted Dec. 28.

S. C., Orangeburg—Orangeburg Co., 21 ft. concrete bridge, 54 ft. approach, 34 ft. wide, 24 ft. driveway, to Kershaw Contg. Co., Woodward Bldg., Birmingham, Ala., $41,636.

North Carolina—State Hy. Dept., Raleigh, constructing rein.-con. bridges and culverts on State Project 256, between Fort Barnwell and La Grange, Lenoir Co., to Engelhardt & Kuehn, Camp Bragg, $57,683. Noted Nov. 30, under Streets and Roads.

Missouri—See "Streets and Roads."

Missouri—State Hy. Dept. at div. office Carrollton and Lexington, substructures for one 20 ft. steel beam, one 82 ft. and one 80 ft. steel girder, one 145 ft. deck truss, two 420 ft. and three 255 ft. steel truss spans, 2 concrete abutments, 6 rein.-con. piers, etc., over Missouri River, on road from Carrollton to Lexington, Federal Aid Project 220, Carroll and Lafayette Counties, to Missouri Valley Bridge & Iron Co., 4th and Walnut Sts., Leavenworth, Kan., $252,819; furnishing material for superstructures and erecting superstructures, to Wisconsin Bridge & Iron Co., North Milwaukee, Wis., $190,695 and $88,378 respectively. Noted Jan. 25.

Missouri — State Hy. Dept., Jefferson City, one 80 ft., one 60 ft. and one 50 ft. steel truss and four 20 ft. rein.-con. approach slab spans, 8 rein.-con. pile bents, 6 rein.-con. piers and 20 ft. roadway, on road north of Chillicothe, State Project Route 3, Sect. 16, Livingston Co., to Concrete & Steel Constr. Co., 214-223 West 3rd St., Joplin, $48,712. Noted Jan. 18.

Missouri—State Hy. Dept., at div. office Marshall, one 90 ft. and two 60 ft. rein.-con. open spandrel arch spans, 20 ft. roadways, 2 concrete piers, etc., over Salt Fork River, on road from Marshall east and west, Federal Aid Project 16, Saline Co., to M. E. Gillioz, Monett, $46,276. Noted Jan. 18.

Missouri—State Hy. Dept. at div. office Marshall and Fayette, substructures for thirty-five 20 ft. and one 36 ft. timber, one 248 ft., two 316 ft., one 224 ft. and one 344 ft. steel truss spans, 6 rein.-con. piers, 20 ft. roadway, etc., over Missouri River, on road through Saline and Howard Counties, Federal Aid Project 217, to Union Bridge & Constr. Co., 903 Sharp Bldg., Kansas City, $297,003; superstructures, to Mt. Vernon Bridge Co., Mt. Vernon, O., $269,310. Noted Jan. 25.

Missouri—State Hy. Dept., at div. office Platte City, three 20 ft. and one 60 ft. steel truss spans, 20 ft. roadways, concrete substructure, over Platte River, on road from Platte City to Tracy, Federal Aid Project 93, Platte Co., to Missouri Valley Bridge & Iron Co., 4th and Walnut Sts., Leavenworth, Kan., $43,749. Noted Jan. 18.

Dams

BIDS DESIRED

Illinois—Feb. 28, at office C. R. Miller, dir. Dept. Pub. Wks. and Buildings, Div. Waterways, **Springfield, Starved Rock** lock and dam, La Salle Co., Illinois Waterway Contr. 2. W. L. Sackett, supt. waterways, M. G. Barnes, ch. engr.; adv. this issue.

Que., Quebec—Feb. 20, by O. Lefebvre, ch. engr. Quebec Streams Comn., 59 Notre Dame St. E., storage dams at Lake Kenogami.

Railways

PROPOSED WORK

New York — Jamestown, Westfield & Northwestern R.R. Co., 560 West 3rd St., Jamestown, plans new loop through village of Bemus Point from point outside north village line to point outside south village line, $25,000. Work will also incl. new station. G. L. Maltby, Jamestown, genl. supt. and purch. agt.

Florida—City of Miami plans election to vote on $400,000 bonds for extending street railway lines to suburbs, etc. C. W. Murray, Miami, city engr.

Ohio — Youngstown Municipal Ry., Youngstown, plans rebuilding Albert St. car line. $46,000. A. Stewart, supt.

Excavation, Drainage, Irrigation

PROPOSED WORK

Fla., Miami—Plans election to vote on vote on $100,000 bonds dredging bay channel, mostly rock. C. W. Murray, City Hall, engr.

Ia., Marion—W. H. Gearhart, engr. Linn Co., making plans and takes bids early in spring, 18,000 ft. 8, 10 and 12 in. tile.

BIDS DESIRED

Ia., Webster City—Feb. 14, by Auditor Hamilton Co., 165,000 cu.yd. excav., Squaw Creek D.D. 47.

Calif., Los Angeles—Feb. 5, by Bd. Pub. Wks., grading site for proposed outfall treatment plant, 700,000 cu.yd. sand excav. To exceed $130,000.

Calif., Paradise—Feb. 6, by G. C. Bille, secy. Paradise Irrigation Dist., (1) enlarging and modifying 13,000 ft. open ditch (2) lining 117,000 sq.ft. ditch with 1 in. rein. gunite (3) 2,400 cu.yd. excav. of regulating forebay (4) lining 24,000 sq.ft. forebay with 1 in. rein. gunite (5) hauling materials from Magalia to job (6) furnishing 2,100 bbl. cement (7) furnishing 600 tons sand (8) 138,000 sq.ft. chicken wire 1½ in. mesh, No. 19 gage, alternative bids on items 2 and 4 for 2 in. cement plaster, no reinforcing. Bids may be submitted as a whole or segregated. L. M. Edwards, Paradise, engr.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, dredging Fresh Creek from head of Fresh Creek Basin to channel of Jamaica Bay, to Wilm & Quinlivan, 2 Rector St., New York, $0.5803 per cu.yd. Engrs. est. $0.60 per cu.yd. Noted Jan. 11.

Ia., Audubon—Audubon Co. takes bids about March, East Nishnabotna River D.D. 4, 12 mi. main canals, 700,000 cu.yd. excav., 6 laterals 5 mi., 250,000 cu.yd. excav. $75,000. A. J. Van Size, Atlantic, engr.

Calif., Blythe—Palo Verde D.D., constructing drainage ditches, to Foley Bros. & Foley, Monrovia, $117,427. Noted Jan. 25.

Streets and Roads

PROPOSED WORK

N. Y., Geneseo—Plans paving, curbing and guttering 2nd St. $27,000. E. M. De Muhn, Geneseo, engr.

N. Y., Penn Yan—Plans paving Lake and Liberty Sts. $35,000, also Clinton St. $25,000, brick and stone. Engineer not announced.

N. Y., Rochester—Plans laying walks and grading Laney, Azeala and Meadow Brook Rds., $38,000; extending Farleigh, Canton, Sunset, Pigeon, Ellsinore Sts. $9,000; paving Reis St. asphalt, $11,000, Ellicott St., asphalt, $13,000 and Chase St., asphalt block, $12,000. C. A. Poole, city engr.

Pa., Altoona — Plans laying sidewalks, $25,000. C. E. Rhodes, mayor.

Pa., Erie—Following townships in Erie Co. plan road bond issues for highway construction, McKean Twp. $40,000, Washington Twp. $40,000, LeBoeuf Twp. $33,218, Middleboro Twp. $8,000. F. F. Hill, co. engr.

Pa., Sharon—Plans paving and improving 1,000 ft. Idaho St. $25,000. L. E. Burnside, city engr.

W. Va., Huntington—City Comrs. plan 2 mi. concrete boulevard from Forrest Park to Ritter Park. $75,000. A. B. Maupin, city engr.

N. C., Asheville — G. Roberts, mayor takes bids end of February surfacing Virginia Ave., Hazzard, Hanover and Michigan Sts., et al., 50,000 sq.yd. asphalt on concrete.

N. C., Raleigh—Plans 60,000 ft. curbs and gutters in Cameron Park and West Raleigh. $70,000. J. B. Bray, comr. Pub. Wks.

Fla., Winter Garden—Voted $175,000 bonds paving various roads, probably brick. J. B. McCrary Eng. Co., 3rd Natl. Bank Bldg., Atlanta, Ga., probable engrs.

Tennessee—State Hy. Dept., Nashville, making plans, grading, surfacing and bridging 12 mi. Federal Aid Highway 69 from Jackson to Haywood Co. line, 18 ft., Madison Co. D. Q. McComb, Nashville, ch. engr.

Ky., Flemingsburg—Fleming Co. election Feb. 24, to vote on $225,000 bonds for road work.

O., Marietta—Plans widening and resurfacing Front and Greene Sts., asphalt, $47,168. C. A. Stone, city engr.

Ill., Cerro Gordo—Plans grading, curbing and paving 3 blocks Main St., 40 ft., 7,600 sq.yd. concrete, 3,000 ft. concrete curb and gutter. $30,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Ill., Mattoon — Plans grading, paving, curbing and laying sewers in De Witt St. from 10th to 33rd Sts., 20 ft., 25,100 sq.yd. concrete. $92,000. J. Goetz Mattoon engr.

Ill., Urbana — Champaign Co. election Feb. 27 to vote on $2,500,000 bonds for 172 mi. concrete roads, 10 ft. R. F. Fisher, co. supt. highways.

Wis., Kenosha—Takes bids about middle of February, paving, etc., Pleasant, West, Erie, Pearl, 3rd, South, Superior, Lester and Bond Sts., Marion, Sellick, Alleman, Tanck, Lyman and Florence Aves., Linderman Court, and Pleasant Pl., 110,000 sq.yd. rein.-con., sheet asphalt, vertical fibre brick

Streets and Roads (Continued)

or asphaltic concrete, 73,500 lin.ft. combination concrete curb and gutter, 55,600 cu.yd. earth excav. $450,000. R. M. Smith, City Hall, engr.

Wis., Madison—Bd. Pub. Wks. plans paving following streets: Doty St. from King to Hamilton Sts., wood block, $50,146; Webster St. from Washington to Hamilton Sts., wood block, $23,563; Blair St. from Washington Ave. to Railroad Sts., wood block, $19,008; Clymer Pl. from Mills to Brooks Sts., concrete, $3,049; Bascom St. from Forest to Clark Sts., asphalt, $3,562; Clark St. from Chamberlain to Van Hise Sts., asphalt, $6,618; Eton Ridge from Allen & Virginia Terrace, asphalt, $13,405; Dayton St. from 50th to North Sts., concrete, $15,679; Sheridan St. from Fair Oaks to Garrison Sts., concrete, $6,400; Beuna Vista St. from Fair Oaks to Garrison Sts., concrete, $7,049; Baltzell St. from Monroe to Gregory Sts., concrete, $7,933; Corry St. from Chicago Minnesota & St. Paul R.R. tracks to North Western R.R. tracks, asphalt, $9,299; Talmadge St. from St. Paul St. to Chicago & North Western R.R. tracks, asphalt, $12,407; Ohio St. from Atwood St. to Chicago & North Western R.R. tracks, asphalt, $19,170; McKinley St. from Highland to Farley Sts., asphalt, $20,075; Vroman St. from Highland to Farley Sts., asphalt, $17,675; Fair Oaks St. from Chicago & North Western R.R. tracks to Milwaukee St., concrete, $38,607; Bryan St. from Fair Oaks to Milwaukee Sts., concrete, $8,945; Highland St. from University to Regent Sts., concrete, $20,922; Upham St. from 50th to North Sts., concrete, $25,377; Lakeland St. from Elmside to Welch Sts., asphalt, $12,000; Virginia Terrace from Rugby to Illinois Central R.R. tracks, concrete, $11,902. E. E. Parker, city engr.

Wis., Prairie Du Chien—Crawford Co. appropriated $64,080 for county and state aid road and bridge construction; also $19,045 for county aid bridge work. J. N. Campbell, comr.

Wis., Ripon — Plans paving Blackburn, Scott, Fond du Lac and Blossom Sts., 25 ft., concrete, $40,000 bonds voted. F. A. Preston, clk. Engineer not selected.

Wis., Wausau—Had plans prepared paving 3rd Ave., Forest, Bridge, Luebner, Division and 2nd Sts., concrete, vitr. brick, asphalt macadam or sheet asphalt. $50,000. B. C. Gowen, City Hall, engr.

Ia., Bettendorf—Making plans brick paving 15 blocks, Washington Ave. $76,000. N. H. Tunnicliffe, city engr.

Ia., Cedar Rapids—Takes bids early in spring paving 32 blocks, vitr. brick, vertical fibre brick, asphalt, concrete or asphaltic concrete. T. F. McCauley, Cedar Rapids, engr.

Ia., Cedar Rapids—See "Waterworks."

Ia., Manning—Making plans paving about 12 blocks. $60,000. H. H. Claussen, clk.

Ia., Storm Lake — Making plans and takes bids early in spring 96 blocks paving. V. Flindt, Storm Lake, engr.

Kan., Seneca — Nemaha Co. had plans prepared 6.226 mi. earth road on Capital Route, 30 in. E. C. L. Wagoner, 609 Kemper Bldg., Kansas City, Mo., engr.

S. D., Pierre—Soon takes bids paving Pierre and Dakota Sts., incl. 20,900 sq.yd. asphalt, 26,150 sq.yd. concrete, 25,850 sq.yd. vibrolithic concrete, 20,900 sq.yd. bithulithic, 20,900 sq.yd. asphaltic concrete, 6,150 lin.ft. concrete curb and gutter. T. H. Johnson, Sioux City, Ia., engr.

S. D., Sioux Falls—Plans paving Dakota Ave. to west side of West Ave., 17,600 sq. yd. portland cement concrete, bituminous concrete or sheet asphalt. $45,000. W. C. Leyse, city aud.

Mo., Kansas City—Preparing plans widening ¾ mi. Linwood Blvd., from 75 to 100 ft.; widening from 40 to 60 ft., and 8 x 20 in. concrete curbing on ½ mi. Pasceo St. F. Gaberman, City Hall, engr.

Mo., Maplewood — Plans paving 3 mi. Railroad St., Cambridge, Oxford, Commonwealth, Manhattan and Sutton Aves., 24 ft., with 7 in. reln.-con. $175,000. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, engr.

Tex., Commerce—City Comrs. plan to expend $100,000 for street paving and improvements. W. F. Cornelius, mayor.

Tex., Glen Rose — Somervell Co. voted $175,000 bonds for road improvements. H. C. Cox, co. engr. Noted Jan. 4.

Tex., Mercedes—City Council, c/o J. E. Haynes, mayor, soon takes bids paving various streets. $40,000. H. E. Bennett, city engr.

Tex., Richmond — Attorney General's Dept., Austin, approved $260,000 bond issue for highway improvements. Plans being prepared. C. H. Kendall, Sugarland, co. engr.

Tex., Uvalde—Uvalde Co. plans grading, gravel surfacing and bituminous topping 7.8 mi. San Antonio-Del Rio Highway, 18 ft. $76,500. M. B. Hodges, co. engr.

Okla., Chickasha—Take bids about March 1, paving 30 blocks, asphalt or concrete. J. C. Milliken, Chickasha, engr.

Utah—State Rd. Dept., Salt Lake City, takes bids early in spring, grading and gravel surfacing 19 mi. road from Chicken Creek to Millard Co. line, 18 ft., Juab Co. $120,000. H. C. Means, state road engr.

Calif., Sanger—Takes bids about Feb. 15, improving various streets, 283,005 sq.ft. grading, 272,104 sq.ft. 1½ in. warrenite bituminous on 3 in. asphaltic concrete, 5,645 lin.ft. curbs, 10,900 sq.ft. gutters, etc. R. C. Phillips, Sanger, engr.

Ontario—Dept. Colonization Rds., Provincial Government, Parliament Bldgs., Toronto, plans to gravel surface 35 mi. road between Powassan and Loring. $100,000. C. H. Fullerton, ch. engr.

Ontario — Provincial Dept. Highways, University Ave. and Dundas St., Toronto, plans to macadamize 25 mi. road between Severn and Bracebridge, $250,000. Town of Orillia plans to have Provincial Dept. Highways, take over 30 mi. road between Atherley and Penetanguishene, and convert same into trunk road, gravel or macadam, $300,000.

Ont., Kingston—Frontenac Co. soon takes bids building causeway over Collins Bay. $55,000.

Ont., Ottawa—Suburban Rd. Comn. takes bids in early spring, 1½ mi. asphalt pavement on Montreal Rd. from Cummings Bridge easterly. $30,000. A. K. Hay, Wellington St., engr.

Ont., Toronto—Plans paving Front St. between Spadina Ave. and Bathurst St., 7,000 sq.yd. asphalt on concrete, with concrete curbs and gutters. $50,000. R. C. Harris, city engr.

Ont., Toronto—Yonge St. Improvement Assn. plans to widen 25 mi. Yonge St. from 66 ft. to 105 ft., between York Mills and Holland Landing. J. Walton, Mayor of Aurora, is pres. $750,000 up.

B. C., Vancouver—Takes bids early in April, surfacing various streets with bituminous macadam. $300,000. F. L. Fellowes, city engr.

BIDS DESIRED

N. Y., Amsterdam—April 3, by A. W. Smith, city clk., 7,000 sq.yd. reln.-con. and 4,500 sq.yd. sheet asphalt pavements. $40,000. J. Labishiner, city engr.

N. Y., Brooklyn—Feb. 8, by Dept. Parks, Municipal Bldg., New York, improving Bay Parkway, here. Noted Jan. 11.

N. Y., Long Island City—Feb. 8, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing and laying sidewalks on 4th St. from Polk to Stryker Aves., 50th St. from Jackson to Polk Aves., 2nd Ward, 116th St. from Liberty to Jerome Aves., 4th Ave. from Jamaica to Grand Aves., 42nd St. from Polk to Roosevelt Aves., 103rd Ave. between Rockaway Blvd. and 97th St.; grading and laying sidewalks on southwesterly side of Burling Ave. from Delaware Pl. to Franconia Ave., 3rd Ward, Lewis St. from Hillside to Jamaica Aves., 4th Ward; grading Tieman Ave. from point 50 ft. north of Nichols to Opdyke Sts., Nichols St. from 51st St. to point 100 ft. east of Tieman Ave.; paving 116th St. from Liberty to Jerome Aves.; receiving basins on west corners of 103rd and Liberty Aves.

N. Y., New York—Feb. 8, by Dept. Parks, Municipal Bldg., repaving Split Rock Rd., heavy traffic asphalt on concrete, Bronx Boro.

S. C., Charleston—Feb. 20, by Street Dept., 200,000-300,000 sq.yd. sheet asphalt pavement. J. H. Dingle, city engr.; adv. this issue.

S. C., Darlington—Feb. 8, by Darlington Co., constructing 3.5 mi. State Route 41 from survey sta. 154-00 to sta. 543-00, 23,034 cu.yd. common excav., 8,476 cu.yd. sand clay surfacing, 246 lin. ft. reln.-con. pipe, 63 cu.yd. plain and reln.-con., 2,962 lb. reinforcing; also 3 creosoted timber bridges, eighteen 14 ft. and two 14 ft. spans on above road. W. S. Lewis, Darlington, engr.

S. C., Kingstree—Feb. 13, by Williamsburg Co., constructing 12.2 mi. State Route 41 from survey sta. 60-00 to sta. 733-00, 71,075 cu.yd. common excav., 30,046 cu.yd. sand clay surfacing; also 2 reln.-con. bridges of three 22 ft. spans and one triple 10 x 10 ft. reln.-con. box culvert, on above road, and 110 cu.yd. dry and 470 cu.yd. wet excav., 297 cu.yd. concrete, 46,506 lb. reinforcing, 264 sq.yd. paving. J. B. Mayes, Kingstree, engr.

Florida—Feb. 6, by State Rd. Dept., Tallahassee, clearing, grading and surfacing 3.967 mi. Rd. 5 from Bradentown to Sarasota Co. line, Project 570, Manatee Co., alternate bids on 2½ in. penetration macadam on 8 in. rock, 2½ in. sheet asphalt with binder course on 8 in. rock, 6-8-6 in. plain concrete. W. F. Cocke, state highway engr.

Florida—Feb. 14, by State Rd. Dept., Tallahassee, constructing drainage structures on 11.63 mi. portion Rd. 2, from Project 27 to Alachua Co. line, Project 505, Columbia Co.; clearing, grading and paving 5 mi. Rd. 1, from Pensacola to Nunez Ferry, Project 35, Escambia Co., alternate bids on 3 in. bituminous macadam on No. 1 and 2 base, or 3 in. sheet asphalt with binder course on No. 1 or 2 base, or 6-8-6 in. plain concrete. W. F. Cocke, state highway engr.

Fla., Madison—Feb. 7, by Comrs. Madison Co., constructing 19.38 mi. Rds. 4 and 6, 25,640 cu.yd. earth excav., 29,335 cu.yd. sand clay, $45,000; 28 mi. Rd. 1, 30,860 cu.yd. earth excav., 39,345 cu.yd. sand clay, $60,000; 12.94 mi. Rd. 3, 26,650 cu.yd. earth excav., 21,125 cu.yd. sand clay, $30,000. C. S. Wadsworth, Madison, engr.

Fla., St. Petersburg — Feb. 5, by City Comn., 45,000 sq.yd. concrete sidewalks, $25,000. E. C. Garvin, St. Petersburg, engr. Noted Feb. 9.

Tennessee—Feb. 9, by State Dept. Hys., Nashville, roadway and bridges 2.64 mi. Federal Aid Project 5, between point north of Nollchucky River and point near Caney Branch, Greene Co., 3,568 cu.yd. common and 189 cu.yd. solid rock excav., 23,227 sq.yd. 6 in. stone base course, 24,477 sq.yd. 2½ in. waterbound macadam surface course, 95.42 cu.yd. concrete, etc. D. Q. McComb, Nashville ch. engr.

Ohio—Feb. 9, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Crawford Co., Sect. "G" Bucyrus-Crestline Rd., 1.69 mi., bituminous macadam, asphalt or tar, $57,690.

Cuyahoga Co., Sects. "A" "B-1" Solon-Willoughby and Chagrin Falls-Cuyahoga Falls Rd., 2.52 mi., brick, $168,888; reln-con., $136,200; bituminous concrete and brick, $158,745; warrenite bitulithic and brick, $164,525.

Geagua Co., Sect. "J" Chagrin Falls-Greenville Rd., 2.182 mi., brick, $43,086.

Meigs Co., Sect. "M" Pomeroy-Athens Rd., 4.009 mi., reln.-con., $123,068.

Mercer Co., Sect. "H-2" Celina-Greenville Rd., 4.28 mi., reln.-con., $130,702.

Sandusky Co., Sect. "S-2" Lima-Sandusky Rd., 2,349 mi. brick, $106,187; sheet asphalt, $106,598.

Huron Co., Sects. "J" "K-1" Bellevue-Norwalk Rd., two reln.-con. bridges, $17,193.

Lorain Co., Sects. "D" "E" Cleveland-Elyria Rd., extension and wings of 16 ft. culvert, $1,149. L. C. Herrick, dir. highways.

O., Bexley (Columbus P. O.)—Feb. 13, by S. W. Roderick, village clk., grading, laying 8 in. mains, making necessary sewer connections and paving 2,200 ft. Ardmore Rd. from Broad St. to Maryland Ave., 24 ft., asphalt, $45,000; 2,200 ft. Cassingham Rd. from Broad St. to Maryland Ave., 24 ft., asphalt, $45,000; 2,000 ft. Fair Ave. from Drexel Ave. to Belgard Lane, 36 ft. roadway with 18 ft. parkway between 2 sides, asphalt $60,000; 550 ft. Seneca Pl. from Dawson to Cassidy Aves., 24 ft., asphalt, $8,000. Jennings-Lawrence Co., Hartman Bldg., Columbus, engrs. Noted Dec. 28.

Mich., Kalamazoo—Feb. 8, by Kalamazoo Co. Rd. Comn., grading and gravel surfacing 7 mi. roads, 9 ft. wide, also 1½ mi. Assessment Dist. Rd. 41, asphalt, concrete or bituminous concrete.

Wisconsin—Feb. 7, by Wood Co. State Road and Bridge Com. at office of State Hy. Comn., Citizens Natl. Bank Bldg., Wisconsin Rapids, improving 1 mi. Portage Rd., Town of Grand Rapids, 1,815 cu.yd. earth excav., 9,244 sq.yd. 16 ft. concrete surfacing, etc.; 2.41 mi. Seneca Corners-Wisconsin Rapids Rd., in Seneca and Wisconsin Rapids, 8,000 cu.yd. earth excav., 21,200 lb. steel in plate girder bridge, 25,680 sq.yd.

Streets and Roads (Continued)

18 ft. concrete surfacing ,etc.; 1 mi. Babcock-Pittsville Rd. in Remington, 2,795 cu. yd. earth excav., 9,931 sq.yd. 16 ft. concrete surfacing, etc.; 2.38 mi. Wisconsin-Rapids-Sherry Rd. in Sigel and Sherry, 4,998 cu.yd. earth excav., 22,400 cu.yd. 16 ft. concrete, etc.; 1 mi. Arpin-Bethel Rd. in Arpin, 3,190 cu.yd. earth excav., 9,945 sq.yd. 18 ft. concrete surfacing, etc.; 1 mi. Rudolph-Wisconsin Rapids Rd., Rudolph, Rudolph, 2,053 cu.yd. earth excav., 9,422 sq. yd. 16 ft. concrete surfacing, etc.; 1 mi. Nekoosa-Necadah Rd. in Port Edwards, 2,137 cu.yd. earth excav., 9,700 sq.yd. 16 ft. concrete surfacing; 0.81 mi. Marshfield-Stratford Rd. in Marshfield, 1,980 cu.yd. earth excav., 9,668 sq.yd. 18 ft. concrete surfacing, etc. **E. Morris**, Wisconsin Rapids, comr.

Wisconsin — Feb. 7, by Marathon Co. State Road and Bridge Com. at office of State Hy. Comn., Citizen's Natl. Bank Bldg., Wisconsin Rapids, grading and surfacing 2.03 mi. Marshfield-Stratford Rd., Town of McMillan, 6,000 cu.yd. earth excav., 81.5 cu.yd. concrete in culverts and bridge, 21,613 sq.yd. 18 ft. concrete surfacing, etc. J. H. Vogt, Wausau, co. highway comr.

Wis., Elkhorn—Feb. 7, by H. J. Peters, highway comr. of Walworth Co., concrete surfacing, etc., 3.8 mi., Whitewater-Elkhorn Rd., incl. 14,739 cu.yd. earth, 1,873 cu.yd. borrow and 666 cu.yd. ditch excav., 106.17 cu.yd. concrete in culverts and bridges, 40,200 sq.yd. 18 ft. concrete surfacing, 13,400 bbl. cement in place, 115,660 lb. reinforcing; 5 mi. Elkhorn-Burlington Rd., 11,519 cu.yd. earth excav., 58.94 cu. yd. concrete in culverts and bridges, 123,725 lb. reinforcing, 52,746 sq.yd. concrete surfacing, etc. Wisconsin Highway Comn., Madison, engrs.

Wis., New Richmond—Feb. 15, by J. E. Hughes, city clk., paving 18,000 sq.yd. various streets, bids on 3 types incl. concrete. J. W. Shaffer & Co., New York Life Bldg., Minneapolis, Minn., engrs.

Ia., Sioux City — Feb. 15, by Auditor Woodbury Co., grading and paving 17.21 mi. Correctionville-Cushing Rd., and Sioux City-Smithland Rd., Federal Aid Project 2, 95,000 cu.yd. excav., 187,913 sq.yd. concrete, etc.; 8 mi. primary road from Salix southeast, 58,772 cu.yd. excav., 84,556 sq.yd. concrete. Iowa Hy. Comn., Ames, engrs.

Minn., Duluth—Feb. 12, by B. Farrell, city comr., paving one course concrete on crushed rock, 3,162 ft. 4th St. from 37th to 44th Aves. W., 24 ft., 7,220 sq.yd. concrete, 31,595 sq.ft. concrete sidewalk, $47,202; 2,796 ft. Warden St. from 59th to 65th Aves. W., 30 ft., 7,000 sq.yd. concrete, 17,000 sq.yd. cement sidewalk, $28,765. E. K. Coe, city engr.

Tex., Kaufman—Feb. 9, by W. P. Williams, judge Kaufman Co. grading, gravel surfacing and bridging 10.74 mi. State Highway 40, from Big Rushy Creek to Dallas Co. line, 16 ft., 203.4 cu.yd. concrete, 22,693 cu.yd. roadway and 142,194 cu.yd. borrow excav., 22,022 cu.yd. gravel surfacing, 16,851 lb. reinforcing. $135,400. B. F. Williams, Kaufman, engr.

Oklahoma—Feb. 14, by State Hy. Dept., Oklahoma City, constructing 6 mi. Federal Aid Project 20, Sects. CD, DE and EF, Kay Co., 26,656 cu.yd. earth excav., 7,296 cu.yd. borrow, 40 cu.yd. concrete, 1,800 lb. reinforcing, 800 lin.ft. 24 in. vitr. pipe, 63,674 sq.yd. concrete paving, Bates type. M. L. Cunningham, state highway engr.

Oregon—Feb. 7, by State Hy. Comn., Salem, grading 3 mi. Oregon-Cass Rd. and 12 mi. Tyde Valley Rd., Josephine Co., 8 mi. Allen Ranch Sect., near Bend, Deschutes Co., 2 mi. Dyke Sect., near Coquille, Coos Co., and 1.4 mi. Nimrod-Elko Sect., Morrow Co.; grading and surfacing 10.8 mi. Klamath-Keno Sect., Klamath Co., 1.5 mi. Tumalo Sect. near Bend, Deschutes Co., 4.8 mi. Cline Falls-Redmond Sect., Des Chutes Co., 6.1 mi. Port Oxford-Six Rivers Sect., Coos Co.; surfacing 9.7 mi. Hadin Creek-Co. Line, Jackson Co., 12 mi. Hepner-Jones Hill Sect., Morrow Co.; resurfacing 4.9 mi. Eugene-Goshen Sect., Lane Co. and overhead crossing fill, near Rhinehart, Union Co.

Wash., Kelso—Feb. 6, by M. J. Lord, city clk., grading and paving various streets, involving 9,200 cu.yd. earth excav., 1,000 cu.yd. gravel, 26,650 sq.ft. concrete sidewalk, 1,450 lin.ft. concrete curb and gutter, 11,350 ft. b.m. lumber, 1,230 ft. sewer pipe.

Wash., Spokane—April 23, by city, paving 2 mi. North West Boulevard extension, concrete, $50,000. A. Butler, City Hall, engr. Noted Jan. 11.

Calif., Fresno — Feb. 6, by Supervs. Fresno Co., constructing 6.3 mi. asphaltic concrete road near Reedley; 3.2 mi. asphaltic concrete road near Clovis. C. P. Jensen, Cory Bldg., engr.

Calif., Los Angeles—Feb. 13, by Supervs. Los Angeles Co., improving 2.7 mi. Anaheim-Telegraph Rd., 3,535 cu.yd. excav., 5,070 cu.yd. shaping roadbed, 3,927 ton 2 in. asphaltic concrete, 5,889 ton 3 in. asphaltic concrete, 1,210 cu.yd. 6 in. granite sub-base, etc.

Calif., San Diego—Feb. 13, by A. H. Wright, city clk., paving Silverado St., Ivanhoe Ave., Ivanhoe Ave. east, Torrey Rd., 192,017 sq.ft. 5 in. portland cement concrete, 1,140 lin.ft. cement curb, 5,746 sq.ft. cement sidewalk, 590 lin.ft. 6 in. cement sewer pipe, etc. F. A. Rhodes, city engr. Noted Jan. 4.

Calif., Santa Cruz—Feb. 6, by City Council, improving Woodrow Ave. between Errett Ave. and Cliff Dr., 43,065 sq.ft. 5 in. concrete pavement, 43,065 sq.ft. grading to sub-grade, 199 lin.ft. 24 in. vitr. clay pipe, etc. J. K. James, city engr. Noted Jan. 11.

Calif., Stockton—Feb. 6, by Supervs. San Joaquin Co., improving French Camp Rd., 3,300 cu.yd. grading, 10,600 ton crushed rock, base course, 4,260 ton crushed rock, top course, 1,980 ton dressing for oil, 1,640 bbl. asphaltic oil. F. E. Quail, co. surv.

Ontario — Feb. 26, by W. A. McLean, deputy minister of highways, Toronto, 10.5 mi. concrete pavements, 40 ft. wide, as follows, 3.7 mi. westerly from pavement west of Chatham, Contr. 827, 2 mi. from Clappison's Corners to Bridge 3, Contr. 828, 0.54 mi. Manotick, Contr. 829, 0.7 mi. North Gower, Contr. 839, 1 mi. Kemptville, Contr. 840, 0.65 mi. Spencerville, Contr. 841, 1.75 mi. from Dougal to Howard Aves., Contr. 915, $700,000; 13 mi. asphaltic concrete pavements, 30-40 wide, 3.6 mi. from Stratford easterly, Contr. 830, 2.43 mi. from Port Credit to Cooksville, Contr. 831, 6.9 mi. Yonge St. from Thornhill to north limits of Vaughan Twp., Contr. 919, $1,000,000; 4.3 mi. macadam road, 0.3 mi. in west limits of Morrisburg, Contr. 832, 4 mi. from Rideau N. E., Contr. 833, $80,000; macadam base course 5.7 mi. from Caledonia northerly, Contr. 834, $60,000; grading 87 mi., 8 mi. from Plantagenet easterly, Contr. 835, 6 mi. Haleys Deviation, Contr. 838. 5 mi. Whitby-Lindsay, Contr. 842, 5 mi. Whitby-Lindsay, Contr. 843, 3.9 mi. Goderich East, Contr. 845, 6 mi. from Seaforth to Mitchell, Contr. 846, 5 mi. Kincardine Twp., Contr. 847, 5.2 mi. Beachburg West, Contr. 922, 4 mi. Smith Falls N.W., Contr. 923, 1.9 mi. Brampton S., Contr. 870, 10.4 mi. Brampton northerly, Contr. 924, 3 mi. from point 1 mi. west of Hurontario St., Brampton, westerly, Contr. 925, 2.9 mi. from Oldcastle to Dougal Rd., Contr. 926, 4 mi. from point 4 mi. south of Guelph, southerly, Contr. 927, 2.5 mi. from west limits of East Williams easterly, Contr. 928, 2.5 mi. Plympton-Sarnia Rd., from Lots 9-15, Contr. 929, 4.2 mi. Greenock and Kinloss Twps., Contr. 930, 1.5 mi. from point 2 mi. west of Arthur westerly, 1.8 mi. Arthur Twp., Contr. 931, 3 mi. from Aylmer easterly, Contr. 932, $450,000; surface treating 22 mi. macadam roads with tar, 12.3 mi. from point 3.2 mi. west of Cornwall to Lancaster, Contr. 849, 4.7 mi. Barriefield N. easterly, Contr. 850, 5 mi. from Orillia towards Washago, Contr. 851, $220,000; concrete culverts in Ekfrid Twp., Contr. 852, Mosa, Contr. 854, Gosfield South and Raleigh, Contr. 854, Eramosa Contr. 855, Warwick, Contr. 856, Caradoc, Contr. 857, Minto, Arthur, Peel and Maryborough, Contr. 858, Minto and Howick, Contr. 859, $160,000. Total cost $2,700,000. G. Hogarth, Parliament Bldgs., Toronto, ch. engr.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids Jan. 24, grading, curbing and flagging (1) East 78th St. (2) East 38th St. (3) East 39th St. (4) Sutter Ave., paving (5) Maple St. (6) Sutter Ave. (7) 74th St. (8) 82nd St. (9) 83rd St. permanent asphalt on 6 in. concrete from T. B. Scott, 671 Halsey St., (1) $5,006 (2) $1,526 (3) $1,387 (4) $1,208; F. Persicano, 350 Fulton St., (1) $5,054 (2) $1,582 (3) $1,442; Simonelli & Son, (1) $5,296 (2) $1,961 (3) $1,788 (4) $1,536; Cleveland Trinidad Paving Co., Flushing, (5) $20,242 (6) $2,390; Cranford Co., 52 9th St., (5) $20,683 (6) $2,460 (7) $7,063 (8) $6,893 (9) $7,258; Borough Asphalt Co., 1301 Metropolitan Ave., (5) $21,294 (6) $2,234 (7) $6,942 (8) $6,771 (9) $7,135; Uvalde Asphalt Paving Co., 1 Bway., New York City, (7) $7,536 (8) $7,325 (9) $7,760. Noted Jan. 18.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., opened bids Jan. 26, grading, curbing and flagging (1) Sickles St. (2) Dongan Pl., paving (3) Ft. Washington Pl., permanent asphalt on concrete, from T. Di Roma, 33 Evelyn Pl., (1) $42,344 (2) $34,503; M. Del Balso, Northern Ave., (1) $51,099; F. Gasparine, (1) $55,173 (2) $32,258; Burnside Contg. Co., 270 Burnside Ave., (2) $36,993; C. D. Beckwith, 2187 Bway., (3) $8,140; Asphalt Constr. Co., 208 Bway., (3) $8,960; Brusstar Constr. Co., Harlem River and 150th St., (3) $11,262. Noted Jan. 18.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids Jan. 26, grading, bridging and paving roads with (a) reinforced con. (b) asphaltic macadam, oil (c) asphaltic macadam, lake (d) tar macadam (e) Kentucky rock asphalt (f) bituminous concrete (g) bituminous macadam, asphalt and brick (h) bituminous macadam, tar and brick, in following counties: **Fulton Co., Sect. "Wauseon" Bryan-Wauseon Rd.**, 0.619 mi., from Lynn Constr. Co., Paulding (a) $25,338; La Boiteaux & Hayes, Toledo (street address not available) (g) $25,691. **Geagua Co., Sect. "K-2" Cleveland-Meadville Rd.**, 2.537 mi., from Central Paving Co., Hamilton (street address not available) (b) $79,816 (c) $85,454 (d) $80,085; C. M. Gray, Waterville, (b) $79,910; Mahoning Constr. Co., Warren (street address not available), (b) $82,860 (d) $82,860; W. G. Mustard, Ada, (c) $84,216; Bower & Taylor, Farmdale, (c) $85,832; G. A. Stein, Niles, (d) $83,398. **Geauga Co., Sect. "A" Euclid-Chardon Rd.**, 4.06 mi., from Central Paving Co., Hamilton, (b) $98,425 (d) $98,809; F. M. Mark, Washington, C. H., (b) $100,981 (c) $100,981; Gray Bros., Youngstown (street address not available) (b) $102,518 (c) $102,518 (d) $102,138; Seaborn Bros., Youngstown (street address not available) (c) $105,105; Mahoning Constr. Co., Warren, (street address not available) (d) $102,518. Jackson Co., Sect. "L" Jackson-Ironton Rd., 4.433 mi., from O. M. Junk, Chillicothe, (a) $137,974; Anderson & Brown, Chillicothe, (a) $141,652; C. Hoolihan, 1406 Riverview St., Dayton, (a) $142,594. **Montgomery Co., Sect. "B" Dayton-Greensville Rd.**, 3.965 mi., from McArthur Constr. Co., Kenton, (a) $126,801 (e) $131,923; R. Daoust Defiance, (a) $126,569; Eldorado Paving Co., Eldorado, (a) $131,250; W. Huber, Eaton, (e) $135,222; Fisher & Flory, Union, (e) $133,601. **Morrow Co., Sect. "L" Mt. Gilead-Mansfield Rd.**, 6.322 mi., from McArthur Constr. Co., Kenton (a) $172,167 (e) $168,229 (f) $173,987; Winchell & Campbell, Columbus (street address not available) (e) $173,805. **Trumbull Co., Sect. "P" Youngstown-Conneaut Rd.**, from Evans & Evans, Hubbard, (g) $137,344 (h) $137,161. **Holmes Co., Sect. "L-2" Mansfield-Millersburg Rd.**, 1.678 mi., grading and drainage structures only, from C. Drake, Nashville, $15,195; W. G. Reimund, Holgate, $15,332; O. Johnson, West Mansfield, $15,609. **Holmes Co., Sect. "K" Mansfield-Millersburg Rd.**, superstructures and grading, from Stout & Stout, Stoutsville, $18,981; Stein & Geisel, Niles, $19,227; Swingle & Robinson, Franklin, $19,267. Noted Jan. 18.

Wash., Seattle—Opened bids Jan. 19, paving North 77th St. et al., 1,127 sq.yd. 6 in. concrete, 5,800 lin.ft. concrete and 550 lin.ft. asphaltic concrete curbing, 50 sq.yd. concrete sidewalk, 2,825 cu.yd. earth excav., from Florito Bros., 2306 Charles St., $39,249, R. G. Stevenson, 1327 North 34th St., $39,862, Olympic Constr. Co., 1326 Northlake Ave., $39,564. Engrs. est. $40,497.

CONTRACTS AWARDED

N. C., Albemarle—Paving 50,000 sq.yd. various streets with either sheet asphalt or bitulithic, to Asheville Paving Co., Asheville, asphalt $2.78 per sq.yd., bitulithic $2.48. Noted Dec. 21.

N. C., Charlotte—Grading and paving with asphalt and apshaltic concrete, 13-14 mi. streets, also concrete sidewalks, to Blythe Bros., Brevard Court, $700,000.

S. C., Sumter—For 15,000 sq.yd. sheet asphalt paving, to Powell Paving Co., Palmetto Bank Bldg., Columbia, $200,000.

Fla., Homestead—To J. E. Nash, Homestead, 5,405 lin.ft. concrete gutter at $0.60 per lin.ft.; 60,000 sq.ft. concrete sidewalks at $0.1975. Noted Nov. 30.

Ala., Birmingham — City and Jefferson Co. paving 2¼ mi. Pratt City-Ensley Rd., 40,000 sq.yd. asphalt surface, 44,000 sq.yd. concrete base, to H. N. Bowdry, Empire Bldg., $82,172. Noted Dec. 7.

Michigan—State Hy. Dept., Lansing, grading and surfacing 7.255 mi. Federal Aid Project 64, Sects. A and B, Crawford and Otsego Co., to A. Jeffrey, Saginaw, incl. 31,821 cu.yd. excav. $0.40, 3.2 cu.yd. 1:2:4 concrete $20, 76,612 sq.yd. gravel surface $0.80. Noted Dec. 28.

Mich., Kalamazoo—Kalamazoo Co. Rd. Comn., grading and surfacing 1¼ mi. Indian Reserve Rd., 18 ft., bituminous concrete, to Globe Constr. Co., Kalamazoo, $47,000; 5 mi. Assessment Dist. Rd. 38, 9 ft., waterbound macadam, to A. E. Beebe, Mendon, $47,600; 3 mi. Assessment Dist. Rd. 10, 9 ft., waterbound macadam, to Kleine Bros., Mendon, $32,600.

Streets and Roads (Continued)

Missouri—State Hy. Dept., at div. office Bloomfield, 5.176 mi. road from Dexter eastward, 16 ft., Federal Aid Project 118B, Stoddard Co., to Novaculite Constr. Co., Marion, Ill., $31,617. Noted Jan. 18.

Missouri—State Hy. Dept. at div. office Columbia, 6.429 mi. road from Columbia eastward, State Aid Project 20.127, Boone Co., to F. A. Stoner, Chamois, $23,785. Noted Jan. 25.

Missouri—State Hy. Dept., at div. office Dexter, 7.723 mi. road from Dexter to Bernie, 16 ft., Federal Aid Project 211A, Stoddard Co., to Dexter Constr. Co., Dexter, $59,896. Noted Jan. 18.

Missouri—State Hy. Dept., at div. office Doniphan, 2.702 mi. road from Doniphan eastwardly, 12 ft., Federal Aid Project 201, Ripley Co., to T. L. Wright Lumber Co., Doniphan, $23,790. Noted Jan. 18.

Missouri—State Hy. Dept., at div. office Galena, 5.546 mi. road from Galena northwestwardly, 24 ft., Federal Aid Project 161B, Stone Co., to R. H. Sharp, Reed Springs, $41,172. Noted Jan. 18.

Missouri—State Hy. Dept. at div. office Greenfield, 5.516 mi. road east of Greenfield northwardly, 24 ft., Federal Aid Project 213 A, Dade Co., to Carterville Constr. Co., Carterville, $31,684. Noted Jan. 18.

Missouri—State Hy. Dept., at div. office Houston, 4.003 mi. road from Houston southwardly, 24 ft., Federal Aid Project 99 C, Texas Co. and one 100 ft. and two 80 ft. steel truss and one 25 ft. rein.-con. deck girder spans, 2 concrete piers, 4 concrete abutments, 20 ft. roadway, etc., on above road, to Davis Constr. Co., Mommoth Springs, Ark., $16,349 and $37,732 respectively. Noted Dec. 21.

Missouri—State Hy. Dept. at div. office Kennett, 6.43 mi. road from Holcomb northwardly, 16 ft., **Federal Aid Project 221B**, Dunklin Co., to A. Creek, Gideon, $76,859; 11.026 mi. road from Campbell northwestwardly, 16 ft., **Federal Aid Project 221 A**, Dunklin Co., to M. E. Gillioz, Monett, $173,986; 12.061 mi. road from Kennett southwestwardly, **Federal Aid Project 209B**, and 3.324 mi. road from Kennett southwestwardly, **Federal Aid Project 209C**, both Dunklin Co., to Service Constr. Co., Poplar Bluff, $263,557 and $74,787 respectively; 5.969 mi. road from Kennett southwestwardly, 16 ft., **Federal Aid Project 209A**, Dunklin Co., to Bennett, Robertson-Carmine, Caruthersville, $123,163; 6.921 mi. road from Kennett east and west, **Federal Aid Project 212**, Dunklin Co., to W. A. Leach, Poplar Bluff, $155,500. Noted Jan. 18.

Missouri—State Hy. Dept., at div. office Marshall, 7.702 mi. road from Marshall east and west, 24 ft., Federal Aid Project 16, Saline Co., to M. E. Gillioz, Monett, $40,370. Noted Jan. 18.

Missouri—State Hy. Dept. at div. office New London, 5.498 mi. road from New London southwestward, 12 and 16 ft., State Aid Project 20,168, Balls Co., to F. F. O'Dell, Farmington, $28,776. Noted Jan. 25.

Missouri—State Hy. Dept. at div. office Rolla, 1.195 mi. road from Newburg southwestwardly, 24 ft., State Aid Project 20,216, Phelps Co., to Birmingham, Jones & Lenox, Rolla, $23,977. Noted Jan. 18.

Tex., La Grange—Fayette Co. grading and surfacing 8.03 mi. Highway 3-A, Federal Aid Project 319, 18 ft., to C. M. Kelly & Co., 502 Barrett Pl., San Antonio, $42,504; rein.-con. drainage structures, to L. Robertson, Schulenburg, $13,949. Noted Jan. 25.

Tex., Sherman—Grayson Co. grading and gravel surfacing 3.69 mi. Highway 5, Federal Aid Project 292, 18 ft., 217 cu.yd. concrete, 14,759 cu.yd. roadway and 15,698 cu.yd. loose excav., 18,781 lb. reinforcing, to S. Brooks, Denison, $17,575; Grayson Co. to furnish 8,669 cu.yd. gravel $15,778. Engrs. est. $36,688.

Tex., Wichita Falls—Wichita Co. grading and gravel surfacing 5 mi. Park-Jonesdale Rd., 16 ft. to L. E. Whitham & Co., Wichita Falls, $47,368. Noted Jan. 25.

Calif., Fresno—Improving Moroa Ave. between Peralta Way and Olive Ave., to Thompson Bros., Divisadero and G Sts., $29,824. Noted Dec. 7.

Calif., Los Angeles—Improving Melrose Ave. oetween Seward and Gower Sts., to W. Liadington, 420 East 60th St., $106,700. Noted Dec. 28.

Calif., Merced—Supervs. Merced Co., paving 13.4 mi. Volta and Dos Palos Rds., 1½ in. warrenite bitulithic on 3½ in. asphaltic concrete, to W. F. Hanrahan, Griffith-McKenzie Bldg., Fresno, $331,000. Noted Jan. 25.

Calif., Tulare — Improving Tulare and Salida Sts., warrenite bitulithic on asphaltic concrete, to J. A. Dowling, 2200 D St., Bakersfield, $35,989. Noted Jan. 18.

Industrial Works

PROPOSED WORK

Me., Rumford—Maine Central R.R., Portland, plans 1 story repair shop, brick and concrete, at freight yards, here. $50,000. B. T. Wheeler, c/o owners, engr.

Vt., Brattleboro — H. Clark, Ludlow, plans 2 story, 50 x 100 ft. factory, brick, plain foundation, Williams St., here. $40,000.

Mass., Cambridge—Ginn & Co., 15 Ashburton Pl., Boston, had plans prepared by J. R. Worcester & Co., archts. and engrs., 79 Milk St., Boston, 5 story and basement, 55 x 325 ft. printing plant addition, rein.-con. and brick, plain foundation, 1st St., here. Foundation contract let.

Mass., Holyoke — Skillings Garage and Tire Station, 154 Elm St., having plans prepared by Howes & Howes, archts., 199 High St., 1 story, 60 x 110 ft. garage addition, brick and steel, Elm St. $50,000.

Mass., Springfield—S. J. Cordner & Co., Taylor St., plans 2 story garage, brick and steel, plain foundation. $75,000-$100,000.

Mass., Westfield—Saffer, 92 Franklin St., plans 125-250 hp. heating and power plant to supply several factory buildings.

R. I., Bristol—Cranston Worsted Co. having plans prepared by Jenks & Ballou, archts. and engrs., 1035 Grosvenor Bldg., Providence, 5 story mill addition, brick and timber.

Conn., Hartford — Herchman & Levine, Prospect St., having plans prepared by F. C. Walz, archt., 407 Trumbull St., 1 story, 85 x 185 ft. addition to garage, brick and steel, plain foundation. $40,000.

Conn., Waterbury—Amer. Republican, Inc., plans 4 story, 50 x 102 ft. plant, brick and rein.-con., Leavenworth St. and Printers Court. $150,000. Architect not selected.

N. Y., Binghamton — F. M. Hutchins plans 2 story, 40 x 83 ft., fireproof garage, Hawly, Exchange and Myrtle Sts. Architect not selected.

N. Y., Buffalo—A. Fircher, Connecticut and Prospect Sts., plans 80 x 160 ft., concrete, brick and steel garage, 18 ft. high, Prospect St. To exceed $40,000. Architect not announced.

N. Y., Buffalo—Hendon Chemical Co., c/o Williams, Minard & Williams, Erie Co. Bank Bldg., plans chemical plant. $1,000,000. Architect not selected.

N. Y., Buffalo—Watkins Commercial Body Corp., 666-672 Genesee St., plans 2 story, 29 x 150 ft., birck and steel plant addition. Architect not selected.

N. Y., Cohoes—Cohoes Fibre Reclaiming Co. plans rebuilding major portion of its plant destroyed by fire. $75,000. Architect not annonuced.

N. Y., Deferiet — St. Regis Paper Co., Trust Co. Bldg., Watertown, plans rein. con. and timber grinding plant, here. $50,-$60,000. Address C. C. Burns, 337 Franklin St., Watertown.

N. Y., Endicott—Endicott Johnson Corp., 108 East Main St., plans rebuilding sole leather tannery. $65,000. S. J. Beebe, c/o owner, in charge of construction.

N. Y., New York—Maux Realty Corp., c/o J. J. Dunnigan, archt .and engr., 394 East 150th St., having plans prepared 2 story, brick, steel and concrete garage, plain foundation, Southern Blvd. $65,000.

N. Y., New York—J. D. Rockefeller, c/o H. C. Pelton, archt. and engr., 151 West 42nd St., having plans prepared brick, steel and concrete garage, plain foundation, 127-129 West 55th St. $100,000.

N. Y., Niagara Falls—Wood-Harmon Co. plans brick garage, 3rd St. $40,000. Architect not announced. Niagara Falls Police Dept., Niagara and 2nd Sts., lessee.

N. Y., Rochester—Max Motor Co., 160 East Ave., plans fireproof garage and service station, Court and Chestnut Sts. To exceed $55,000. Architect not announced.

N. J., Elizabeth—Elizabeth Daily Journal, 74 Broad St., plans 3 story, 69 x 120 ft., newspaper plant, fireproof. $175,000. C. G. Poggi, 275 Morris Ave., archt. Hollingsworth & Bragdon, 17 West 45th St., New York City, assoc. archts.

Pa., Allentown—Allentown Paper Box Co., 10th St., plans 3 story, 100 x 120 ft., brick factory, Jefferson St. To exceed $40,-000. Architect not announced.

Pa., Allentown—Merkle Bobbin Co. plans plant, 6th and Lehigh Sts. $50,000. Architect not announced.

Pa., Altoona—United Home Dressed Meat Co. having plans prepared by Anders & Riemers, archts., 314 Erie Bldg., Cleveland, O., 2 story and basement, 80 x 100 ft. brick and steel addition to plant. $75,000.

Pa., Bakerton (Elmora P. O.)—Sterling Coal Co., having plans prepared for machine shop, incl. motor barn and blacksmith dept. $100,000. W. Lamont, Wilmora, genl. supt.

Pa., Bethlehem — Allentown Bethlehem Gas Co., having plans prepared by Koppers Co., engrs., Union Arcade, Pittsburgh, 1 story plant. $55,000.

Pa., Farmers Valley—B. B. Sproud Gasoline Co., Coleville (Bellefonte P. O.), plans oil refinery, here. $70,000. Architect not announced.

Pa., Harbour Creek—Yerkes Steel Coupling Tie Co., W. H. Yerkes, pres., c/o W. Kraemer, Harbor Creek, plans 40 x 100 ft. plant on 10 acre site here. Architect not announced.

Pa., Harrisburg — Harris Knitting Co., 2434 West 2nd St., had plans prepared 3 story and basement, 80 x 125 ft. rein.-con., brick and steel plant, 4th and Dauphin Sts. $100,000. Architect not announced.

Pa., Johnstown—Henderson Bros. Inc., Market St., plans 3 story and basement, 80 x 125 ft. rein.-con. and brick plant, in Morrellville. $200,000.

Pa., Kingston (Wilkes-Barre P. O.)—Bell Telephone Co., 33 East Northampton St., Wilkes-Barre, plans improvements and additions to plant, also 12 mi. underground cables, etc. $84,800. Architect not announced.

Pa., Midland—Crucible Steel Co. of America, 2012 Oliver Bldg., Pittsburgh, having plans prepared by Koppers Co., engrs., Union Arcade, Pittsburgh, 1 story, brick and steel plant, here. $60,000.

Pa., Pittsburgh—R. G. Jackson, Keown Sta., having preliminary plans prepared by F. G. Ross, engr., 309 4th Ave., 5 story and basement, 60 x 150 ft. rein.-con. and steel warehouse and office, 1st Ave., here. $150,000. Western Electric Co., Rodgers Ave., lessee.

Pa., Pittsburgh—W. W. Lawrence Co., West Carson St. and Point Bridge, having revised plans prepared by W. G. Wilkins Co., archts., Westinghouse Bldg., 3 story and basement, 60 x 79 ft. brick warehouse, West Carson St. $150,000.

—Pa., Shamokin — Neel-Cadillac Co. soon takes bids 1 story and basement, 80 x 120 ft. brick and steel service station, plain foundation. $40,000. W. H. Lee, 32 South 17th St., Phila., archt.

Pa., Warren—W. H. Frost Co. plans 40 x 70 ft. garage and salesroom, fireproof construction, Liberty St. To exceed $40,-000. Architect not announced.

Pa., Wilkes-Barre—Wilkes-Barre Wholesale Grocery Co., 75 East Northampton St., having plans prepared by Knapp & Bosworth, archts., 15 South Franklin St., 3 story, 40 x 100 ft. and 35 x 60 ft. brick and steel warehouse, East Northampton St. To exceed $50,000.

Md., Baltimore—Maryland Meter Wks., 224 North Holliday St., having plans prepared by T. W. Pietsch, archt., American Bldg., 7 story, 37 x 82 ft. factory, rein.-con. and brick, Holliday and Saratoga Sts. $75,000. H. Massart, 322 North Charles St., engr.

D. C., Wash.—H. A. Blessing, 317 Woodward Bldg., soon receives bids for garage. $300,00. H. H. Warwick, 1106 16th St., N. W., archt.

D. C., Wash.—Edmonds Contg. Co., 2523 Evarts St., N.E., having plans prepared by G. T. Santmyer, archt., 1340 I St., N.W., for factory on Blair Rd. $200,000.

W. Va., Fairview—Marion Constr. Co., plans to rebuild planing mill, recently destroyed by fire. $60,000. Architect not announced. T. R. Montgomery, mgr.

N. C., Bladenboro — Bladenboro Cotton Mill Co. plans construction and equipment of cotton mill, No. 3, brick and concrete. $400,000. H. C. Bridger, pres.

N. C., Lenoir—Nelson Cotton Mill Co., Charlotte, having plans prepared by R. C. Bibeistein, engr., 1614 Elizabeth Ave., Charlotte, for 6,000 spindle cotton mill, here.

N. C., Lumberton—Lumberton Cotton Mills having plans prepared by Lockwood, Greene Co., archts., Piedmont Bldg., Charlotte, weave room addition to textile mill, to house 600 looms. H. B. Jennings, pres.

N. C., Lumberton — Mansfield Mill Co. plans 600 loom weaving mill, brick. H. B. Jennings, pres.

Industrial Works (Continued)

N. C., Reidsville—W. L. Pannill, Reidsville, and R. Graham, Winston-Salem, plan large knitting mill, here. $150,000.

N. C., Salisbury—Autovac Co. Inc., plans factory to manufacture autovacs and other auto parts, 500,000 yearly capacity. H. H. Rouzer, pres. Architect not selected.

N. C., Shelby—Eagle Roller Mills Co., plans 6 story, roller mill, fireproof, 400 bbl. capacity. $70,000. W. R. Hartness, pres.

N. C., Wadesboro—L. D. Robinson is interested in company composed of local citizens who have subscribed $425,000 to construct cotton mill, to spin yarn, weave, bleach, dye and print goods. C. H. Van Hervle, secy. Chamber Commerce, is also interested.

La., Carson—Delta Land & Timber Co. plans to rebuild factory recently destroyed by fire. $150,000.

Tenn., Nashville—McQuiddy Printing Co., 5th Ave. and Diaderick St., having plans prepared by H. C. Hibbs, archt., 4th & 1st Natl. Bank Bldg., and soon takes bids 3 story, 65 x 150 ft., brick, printing plant, Broad St. $50,000-$60,000.

Ky., Louisville—Summers-Hermann Co., 906 South 3rd St., plans auto service and repair plant, fireproof, 3rd St. $125,000. Architect not announced.

Ky., Louisville—Superior Woolen Mills plans factory and sales building, 509-511 West Market St. $150,000. J. W. Strother, treas.

O., Bellefontaine—Citizens Ice & Supply Co., opens bids about March 1, ice and storage plant. $85,000. J. H. Meyer, Wapakoneta, archt.

O., Canton—Canton Hardware Co. purchased 31,000 sq.ft. site on 3rd St. N.E., along tracks of Pennsylvania R.R., and plans warehouse.

O., Canton — Swineford Mfg. Co., 942-8 Union Ave. S. W., plans 2 story factory, Union Ave. S. W., to replace one recently destroyed by fire. $100,000.

O., Cleveland—Anchor Cartage & Storage Co., 1595 East 40th St., plans 6 story, brick, steel and concrete storage building on 162 x 500 ft. lot, East 37th St. near Erie R.R. tracks. $150,000. R. L. Kolarik, mgr. Architect not selected.

O., Cleveland—Amer. Gypsum Co., Cleveland Discount Bldg., plans brick and steel mill, 2146 West 3rd St. $100,000. A. C. Stewart, mgr. Private plans.

O., Cleveland — Detroit & Cleveland Navigation Co., c/o C. L. Park, genl. mgr., foot of 3rd St., Detroit, Mich., having plans prepared by W. S. Lougee Co., archts., 500 Marshall Bldg., 2 story, 300 x 750 ft., concrete, steel and brick warehouse and concrete pier, foot of 9th St., here. $1,000,000. Noted April 6 under "Miscellaneous."

O., Cleveland—Euclid Prospect Co., c/o A. G. McKee Co., engrs., 2422 Euclid Ave., had plans prepared 2 story, 47 x 77 ft., brick and steel garage, 2443 Prospect Ave. $40,000. Private plans.

O., Cleveland — Hughes Provision Co., 3199 West 65th St., having plans by Anders & Reimers, archts., Erie Bldg., 3 story and basement, packing plant addition, brick, steel and concrete. $150,000.

O., Cleveland—W. S. Tyler Co., 3615 Superior Ave., having plans prepared by G. S. Rider & Co., archts., Century Bldg., 3 or 4 story, brick, steel and concrete factory, 3803 Superior Ave. $500,000.

O., Cleveland Heights (Warrensville P. O.)—W. J. Austin, pres. Austin Co., 16112 Euclid Ave., plans brick and steel service garage, Lennox and Surrey Rds. $75,000. Private plans.

Ind., East Chicago—Pressed Steel Mfg. Co., 120 West Jackson Blvd., Chicago, having plans prepared by F. D. Chase, Inc., Archts., 645 North Michigan Ave., Chicago, 2 story factory, rein.-con., brick and steel. $750,000.

Ind., Evansville — Franklin Corp., 1116 West Franklin St., plans 2 story and basement, 100 x 119 ft., auto assembly and service building, rein.-con. and brick, West Franklin St. $60,000. Private plans.

Ind., Indianapolis—A. A. Wilkinson Lumber Co., 931 East Michigan St., having plans prepared by Rubush & Hunter, archts., Amer. Central Life Bldg., 4 story, 100 x 190 ft. warehouse, brick and timber, East Michigan St. $200,000.

Mich., Detroit—Schroeder Paint & Glass Co., Cadillac Sq., having plans prepared by J. Finn & Son, archts., 7720 Plymouth Rd., 4 story, 125 x 195 ft., rein.-con. and brick factory, 12th St. and Grand Trunk Ry., $300,000.

Ill., Centralia — Pfeffer Motor Co. had plans prepared by T. P. Barnett Co., archts., 1559 Arcade Bldg., St. Louis, Mo., 3 story, 80 x 160 ft. garage, rein.-con. and brick, plain foundation, Main St. $100,000.

Ill., Chicago—Chicago Beach Hotel Co., 1600 Hyde Park Blvd., plans 8 story, 100 x 200 ft., rein.-con., brick and steel garage, Hyde Park Blvd. and Lake Michigan. $500,000. G. C. Nimmons, 122 South Michigan Ave., archt.

Ill., Chicago—Hetzel & Co., 1739 Larrabee St., having plans prepared by D. I. Davis & Associates, archts., 327 South La Salle St., 1 and 2 story, 70 x 122 ft. power plant, rein.-con., brick and steel. $60,000.

Ill., Chicago—H. H. Riis Motor Co. c/o M. H. Harris, archt., 118 North La Salle St., having plans prepared 2 story, 100 x 125 ft., rein.-con., brick and steel, garage, repair and welding shop, Fullerton Ave. near Crawford St. $100,000.

Ill., Chicago—Studebaker Sales Co., 21st St. and Michigan Ave., plans 6 story, 100 x 300 ft. service station, rein.-con., brick and steel, Federal St. between 24th and 25th Sts. $750,000. Loewenberg & Loewenberg, 111 West Monroe St., archts.

Ill., Evanston—Evanston Fireproof Warehouse Co., 1621 Benson Ave., having plans prepared by G. S. Kingsley, archt., 109 North Dearborn St., Chicago, 5 story, 51 x 194 ft. warehouse, rein.-con., brick and steel. $250,000.

Ill., Kewanee — Making plans complete electric light plant, incl. equipment $125,000. Burns & McDonnell, Interstate Bldg., Kansas City, Mo., engrs.

Wis., Beloit—Gaston Scale Co., 715 2nd St., plans rebuilding 2 story scale factory, brick and rein.-con., plain foundation, recently destroyed by fire. $50,000. Architect not selected.

Wis., Hartford—E. Ripley plans 1 story and basement, 50 x 100 or 100 x 100 ft., paint shop and storage addition to garage, brick and concrete, plain foundation, Main St. $40,000-$50,000. Architect not selected.

Wis., Madison—C. Rieder, 615 University Ave., having plans prepared by P. M. Horner, archt., 1 East Main St., 3 story, 50 x 65 ft., tire and vulcanizing shop, brick, rein.-con. and steel, plain foundation, University Ave. $50,000.

Wis., Madison—C. B. Fritz, 138 North Frances St., plans 1 story, 50 x 110 ft. woodworking shop, brick and rein.-con., plain foundation. $50,000. Architect not selected.

Wis., Marshfield—S. Miller Cold Storage Co., Main St., had plans prepared by M. R. Carpenter, archt. and engr., 72 West Washington St., Chicago, 3 story and basement, 52 x 130 ft., addition to cold storage plant, brick and concrete, plain foundation. $150,000.

Wis., Milwaukee—J. Topzant, archt., 144 Oneida St., preparing plans 1 story and basement, 60 x 130 ft. storage plant, brick and concrete, plain foundation, West Side. $40,000. Owner's name withheld.

Wis., Milwaukee—Western States Envelope Co., 255 South Water St., having plans prepared by A. C. Runzler, archt., 144 Oneida St., remodeling 4 story and basement, 60 x 70 ft., brick and timber warehouse, South Water St. $40,000.

Wis., Oshkosh—Wisconsin Dairymen's Storage Co. plans 2 story, 50 x 95 ft., cold storage warehouse, brick, rein.-con. and steel. $50,000. Architect not selected.

Wis., Rhinelander—S. Miller Cold Storage Co., Main St., Marshfield, having plans prepared by M. R. Carpenter, engr. and archt., 74 West Washington St., Chicago, 3 story and basement, 46 x 120 ft. cold storage plant, brick and concrete, plain foundation, here. $145,000.

Wis., Stevens Point—F. Spalenka, archt., 426 Normal Ave., soon takes bids 2 story and basement, 80 x 137 ft., brick and concrete garage, plain foundation, for R. E. Newby Auto Co., c/o architect. $45,000.

Wis., Wausau—Kickbusch Grocery Co., 126 West Washington St., had plans prepared by Oppenhamer & Obel, archts., Spencer Bldg., 2 story and basement, 60 x 180 ft., brick and concrete warehouse addition, plain foundation. $60,000.

Wis., Waukesha — Harvey Paper Specialty Co., 453 West Main St., plans 1 story, (ultimately 2 story) 80 x 200 ft. warehouse and factory, concrete, plain foundation. $40,000. Architect not selected.

Wis., Wauwatosa—Forsyth Leather Co., State St., having plans prepared by Cahill & Douglas, engrs., 217 West Water St., Milwaukee, 40 x 50 ft., brick and concrete boiler house.

Wis., West Allis—Burbach Service Station, 5225 Greenfield Ave., having plans prepared by J. Schunk, archt., 521 51st Ave., 2 story and basement, 60 x 87 ft., brick and concrete, garage, plain foundation. $40,000.

Ia., Iowa City—Sidewell Dairy Co., c/o A. B. Sidewell, 15 College St., having plans prepared by Anthony & Holmes, archts., Cedar Rapids (street address not available) 2 story, 60 x 90 ft. factory, brick and concrete, here. $40,000.

Kan., Wichita—Conway Springs Water Co., 223 South Wichita St., plans 1 story, bottling plant, concrete, concrete foundation. $50,000. Architect not selected.

S. D., Rapid City—State Cement Comn., c/o A. C. Hunt, secy., Capitol, Pierre, had plans prepared by J. C. Buckbee, engr., 38 South Dearborn St., Chicago, for cement plant, 2,000 bbl. per day capacity.

Mo., Kansas City—Amer. Ice Co., Agnes Ave. and Guinotte St., had plans prepared by G. Carman, archt., 406 Gumbel Bldg., 2 story and basement, 80 x 127 ft., plant, 4730 Tracy Ave. $75,000.

Mo., Kansas City — Schreiber Flour & Cereal Co., 223 West 8th St., plans to rebuild mill. Architect not selected.

Mo., Leeds—Blue Valley Ice & Storage Co., having plans prepared 2 story and basement, 70 x 80 ft., brick and rein.-con. plant. H. Von Unwerth, 509 Finance Bldg., Kansas City, engr.

Mo., Osceola — Stock Co. plans hydro electric plant. $500,000. A. L. Mullergren, 555 Gates Bldg., Kansas City, engr.

Ark., Star City—Ozark Timber & Stave Co. plans to rebuild mill recently destroyed by fire. $70,000. Architect not announced.

Tex., Waco—B. C. Richards, mayor, 919 South 8th St., soon takes bids 2 story, rein.-con. garage, 10th and Austin Sts. $40,000. Architect not announced.

Okla., Ardmore—Consumers' Power Co. had plans prepared 2 story and basement, brick, power plant, complete with necessary machinery. $100,000. W. A. Beahr, Peoples' Gas Bldg., Chicago, engr.

Okla., Marietta—S. Suggs, Ardmore, is interested in corporation which is having plans prepared for factory in or near here. $200,000.

Okla., Tulsa—E. S. Hutchinson, 2012 East 6th St., had preliminary plans prepared 1 story furniture plant, rein.-con. and steel, 20,000 ft. floor space, 623 South Xanthus St. $150,000.

Okla., West Tulsa (Tulsa P. O.)—Oklahoma Power Co. plans new unit to its generating plant, here. To exceed $40,000.

Nev., Gerlach—See "Buildings."

Calif., Alvarado—California Salt Works Mills Bldg., San Francisco, plans to rebuild plant, incl. frame building, wharves, tanks, equipment, etc., here, recently destroyed by fire. Loss $300,000.

Calif., Azusa—Azusa Ice and Cold Storage Co., plans to rebuild portion of ice manufacturing and cold storage plant recently destroyed by fire. $100,000. Architect not announced.

Calif., Loleta—Libby, McNeil & Libby, Merchants Exch. Bldg., San Francisco, having plans prepared 2 story, 75 x 160 ft., milk condensing plant. Private plans.

Calif., Los Angeles—Los Angeles Warehouse Co., c/o A. Martin, archt., Higgins Bldg., had plans prepared 5 story and basement, 100 x 350 ft. rein.-con. warehouse, Commercial St.

Calif., Oakdale—See "Waterworks."

Calif., San Francisco—See "Miscellaneous."

Calif., San Francisco—Star Garage (T. McDougall, owner), 150 Turk St., having revised plans prepared by J. L. Stewart, archt., Claus Spreckels Bldg., 2 story, rein.-con. garage extension, 129 ft. frontage, Turk St. Noted Dec. 28.

Calif., San Rafael—Marin Municipal Water Dist., having plans prepared by J. W. Dolliver, archt., Monadnock Bldg., San Francisco, shops and corporation yard, also 2 story, 65 x 75 ft., rein.-con. office building ($70,000), 4th St.

Que., Donnacona—Donnacona Paper Co. plans to enlarge plant, from 30,000 to 60,000 ton capacity. Address C. E. Eaton, Trust Co. Bldg., Watertown, N. Y., engr.

Ont., Brampton—J. W. Hewitson Shoe Co. plans addition to factory, probably concrete, brick and steel, here. $50,000. Architect not selected.

Ont., Brampton—McIlroy Belting & Hose Co., Hammond, Ind., plans concrete and brick plant, here. $40,000.

Ont., Jarvis—McCarter & Allen, Jarvis, plans rebuilding garage, recently destroyed by fire. $45,000.

Industrial Works (Continued)

Ont., Ottawa—Bd. Control takes bids in spring for abattoir. $100,000. A. F. Macallum, city engr.

BIDS DESIRED

N. Y., Watertown—Northern New York Utilities, Inc., 58 Public Sq., taking bids new retort house, Engine St. $250,000. S. D. Gilbert, Light and Power Bldg., mgr.

Pa., Phila.—Feb. 8, by F. H. Caven, dir. pub. wks., 3 and 4 story, 87 x 150 ft. brick and steel warehouse and printing plant, plain foundation, New and Front Sts., for Bd. Educ. 19th and Chestnut Sts. $250,000. Private plans.

W. Va., Charleston — The Devore Co., engrs., Nicholas Bldg., Toledo, O., receiving bids 2 story, 45 x 240 ft., brick, rein.-con. and steel factory addition, here, for Libby Owens Co., Nicholas Bldg., Toledo, O. $300,000.

N. C., Whiteville—See "Waterworks."

Ala., Birmingham—Feb. 10, by National Cast Iron Pipe Co., Tarrant City, furnishing and erecting steel foundry, incl. cleaning shed, annealing oven shed and cupola charging platform.

Miss., Columbus—Feb. 24, by State Bond Impvt. Comn., Box 636, Jackson, new steam heating plant at State College, here.

O., Springfield — Everwear Mfg. Co., Sycamore St., taking bids 1 story, 90 x 220 ft. plant addition. Architect not announced.

Mich., Grand Rapids—A. McColl, archt., Michigan Trust Bldg., taking bids 5 story and basement, 50 x 100 ft. brick and timber addition to factory, plain foundation, Monroe St., for Mueller Furniture Co., Grand Rapids. $75,000.

Ill., Chicago—W. P. Doerr, archt., 28 East Jackson Blvd., receiving bids 1 and 2 story, 100 x 150 ft., garage, rein.-con., brick and steel, Lake Park Ave. and 55th St., for O. Metz, 5525 Harper Ave. $40,000.

Ill., Chicago—Garibaldi & Cuneo, 1 West South Water St., receiving bids 4 story, 100 x 125 ft. factory, rein.-con., brick and steel, 212 West Illinois St. $50,000. Dean & Dean, 137 South La Salle St., archts. This corrects report in Jan. 11 issue.

Ill., Chicago—Zimmerman, Saxe & Zimmerman, archts., 212 East Superior St., receiving bids 1 story and basement, 80 x 164 ft., factory, rein.-con., brick and steel, 4113-35 Ravenswood Ave., for Pike Web Mfg. Co., 29 South Clinton St. $40,000.

Wis., La Crosse—O. A. Merman, archt., 210 Linker Bldg., taking bids 1 story, part basement, 60 x 146 ft., brick and concrete garage, plain foundation, 6th and State Sts., for Cameron Motor Car Co., 127 South 6th St. $40,000. Noted Nov. 9.

Wis., Milwaukee — C. H. Thoringer, archt., 3328 State St., taking bids 2 story and basement, 110 x 142 ft., brick and concrete garage, plain foundation, for R. L. Clark, 2218 Meinecke Ave. $65,000. Noted Dec. 28.

Wis., Milwaukee — Wisconsin Telephone Co., 418 Bway., taking bids and opens same about Feb. 5, 1 and 2 story, 120 x 270 ft. warehouse and garage, brick and concrete, plain foundation, Clybourn St. A. C. Eschweiler, 141 Wisconsin St., archt.

Minn., Minneapolis—Feb. 5, by State Bd. Control, Capitol, St. Paul, 3 story and basement, storehouse and shop buildings, rein.-con., brick and tile, State "U." here. $200,000. C. H. Johnston, 715 Capital Bank Bldg., St. Paul, archt. C. L. Pillsbury Co., 1200 2nd Ave. S., engr. Noted Aug. 31.

Minn., St. Paul—Twin City Motor Car Co., 1428 Harmon Pl., Minneapolis, receiving bids and opens same about Feb. 10, 2 story and basement, 60 x 138 ft. garage and sales room, rein.-con. and brick, 5th and Exchange Sts., here. $50,000. Toltz, King & Day, 1410 Pioneer Bldg., archts.

Mo., St. Louis — Feb. 23, by Bd. Pub. Serv., 208 City Hall, 2 story, 54 x 225 ft., rein.-con. and brick service building, plain foundation, for St. Louis Training School for Feeble Minded, at Scott Farm. $115,000. Former contract rescinded. L. R. Bowen, 301 City Hall, archt. and engr. Noted Jan. 18.

Calif., Oakland—Feb. 13, by State Dept. Pub. Wks., Division of Architecture, Sacramento, power house, recreation building, employees cottage and womens shop, here. G. B. McDougall, Forum Bldg., Sacramento, archt.

CONTRACTS AWARDED

Mass., Gardner—O. W. Siebert & Co., Logan St., 4 story, 80 x 230 ft. factory, brick and timber, plain foundation, Main St., to E. J. Cross Co., 82 Foster St., Worcester. Archts. est. $175,000.

Mass., Millbury—Felters Co. Inc., West St., 1 story dyehouse and 1 story addition to main factory building, brick and timber, to J. J. Roberts, 4 Wall St., Worcester. Archts. est. $150,000. Noted Oct. 5.

Mass., Watertown — Hood Rubber Co., Nichols Ave., 4 story factory addition, brick and concrete, plain foundation, Nichols Ave., to Aberthaw Constr. Co., 27 School St., Boston. Archts. est. $50,000.

N. Y., Rochester—Powerton Tire Sales Corp., 253 East Ave., general contract 4 story, brick, sales and service station, East Ave., to A. Goldstein, Rochester (street address not available); masonry work, to W. Kinney, Rochester (street address not available). Archts. est. $58,000.

Pa., Bridgeville—Universal Steel Co., 1 story, 50 x 152 ft. steel addition to plant, to Pittsburgh Bridge & Iron Wks., Rochester.

Pa., Erie—Northwestern Motor Sales Co., 21st and State Sts., 2 story, brick garage, State St., to H. Shenk Co., Erie. $40,000. Noted Nov. 30.

Pa., Glassmere—Allegheny Plate Glass Co., 3 story and basement, 108 x 120 ft. brick addition to factory, to Cruikshank Eng. Co., 5th Ave. Arcade, Pittsburgh. (Will let separate contracts). $100,000.

Pa., Phila.—R. H. Greenburgh, Phila. (street address not available), 4 story and basement, 122 x 220 ft. rein.-con., brick and steel service building, 3020-3032 Market St., to Wark Co., 231 South Broad St. Wiley Motor Co., Broad and Vine Sts., lessee.

Pa., Phila.—New Way Laundry Co., 4809 Aspen St., 2 story, 65 x 80 ft. brick and steel laundry, plain foundation, 4809 Aspen St., to J. N. Gill, Otis Bldg.

Md., Baltimore—Amer. Ice Co., Calvert Bldg., 2 story, 80 x 142 ft. ice plant, brick and hollow tile, Eden St. between Madison and Monument Sts., to North Eastern Constr. Co., Lexington Bldg., $60,000.

N. C., Charlotte—Lockwood, Greene & Co., engrs., Piedmont Bldg., 4 story, 116 x 146 ft. factory, to J. A. Gardner, 211½ North Tryon St., for H. M. Wade, South Graham Extension, $80,000. Noted Jan. 11.

O., Ashland — Faultless Rubber Co., 2 story, 40 x 130 ft., brick and steel factory and warehouse, to Camp Constr. Co., Newman-Stern Bldg., Cleveland. Archts. est. $50,000. Noted Jan. 18.

Mich., Grand Rapids — Grand Rapids Chair Co., 1661 Monroe St. N. W., 5 story, 100 x 100 ft. brick and timber addition to factory, Monroe St., to Owen, Ames & Kimball Co., Pearl St., cost plus basis. Archts. est. $75,000.

Mich., Grand Rapids — C. J. Litscher Electric Co., 41 Market Ave., 3 story and basement, 48 x 164 ft. rein.-con., brick and steel factory, plain foundation, Market Ave., to W. Baker & Son, 1350 Bemis St., cost plus basis. Engrs. est. $150,000. Noted Dec. 28.

Ill., Chicago—Chicago Mill and Lumber Co., 111 West Washington St., 2 story and basement, 300 x 400 ft. factory, rein.-con., brick and steel, 949-53 Elston Ave., to Mueller Constr. Co., 179 West Washington St. Archts. est. $500,000.

Wis., Milwaukee—C. W. Valencourt, 172 12th St., 1 story and basement, 60 x 100 ft., brick and concrete garage, plain foundation, to Meredith Bros., 1043 Kinnickinnic Ave. Archts. est. $40,000. Noted Nov. 2.

Wis., Oshkosh—Badger Lumber & Mfg. Co., Badger Rd., 1 story, 130 x 300 ft., (1st unit), brick and concrete, plain foundation, to C. R. Meyer & Sons, 50 State St. Archts. est. $145,000. Noted Jan. 25.

Wis., Wausau — Hall Garage Co., 107 Scott St., 3 story, 50 x 60 ft., addition to garage and repair shop, brick, rein.-con. and steel, Scott St., to J. Larson, 627 Weile Ave. Archts. est. $40,000.

Mo., St. Louis—U. S. Motor Bus Transit Co., 911 Title Guaranty Bldg., 2 story, 200 x 200 ft. garage, factory and assembly plant, Grand Blvd., also 2 story, 150 x 200 ft. administration building and garage, Delmar Blvd. near Rosedale Ave., rein.-con. and brick, concrete pile foundations, to McKelvey Constr. Co., Title Guaranty Bldg., $200,000. Noted Jan. 18.

Calif., Los Angeles—See "Buildings."

Calif., Oakland—Westinghouse Electric & Mfg. Co., 1st Natl. Bank Bldg., San Francisco, 1 and 2 story insulator factory (first unit) fireproof, on 15 acre site, to R. McLeran & Co., Hearst Bldg., San Francisco, $175,000.

Buildings

PROPOSED WORK

N. H., Keene—Theatre—D. Latchis, Brattleboro, Vt., having plans prepared by G. N. Jacobs, archt., 12 Bosworth St., Boston, 2 story, here. $150,000. Noted Dec. 28.

Mass., Boston — Schools — Schoolhouse Comn., Room 1007, City Hall, having sketches made addition to Roxbury High School, $150,000, H. H. Atwood, Ashmount St., Dorchester, archt.; 20 room intermediate school, brick and concrete, East Eagle and Glendon Sts., Emerson Dist., East Boston, $350,000, J. J. Driscoll, 6 Beacon St., archt. Having plans prepared 1 story addition to Winship School, Bennett Dist., Brighton, $100,000-$150,000, McLaughlin & Burr, 88 Tremont St., archts.; 8 room and basement, Nathan St. and Northbourne Rd., Forest Hills, in Francis Parkman Dist., $150,000, Blackall, Clapp & Whittemore, 20 Beacon St., archts.; 12 room, brick and concrete, Dudley St., in Hugh O'Brien Dist., Roxbury, $200,000, Mulhall & Holmes, 248 Boylston St., archts.; 18 unit girls high school, Worthington St., in John Martin Dist., Roxbury, $500,000, and 4 story intermediate school, Maverick and Everett Sts., Samuel Adams Dist., East Boston, $500,000, both brick and concrete, C. R. Greco, 8 Beacon St., archt.; 8 room and basement grammar school, brick and concrete, Bennett Dist., Brighton, to exceed $125,000, Coolidge & Shattuck, 122 Ames Bldg., archt.; 10 room junior high school, brick and concrete, John Mather Dist., Dorchester, $500,000, O'Connell & Shaw, 18 Boylston St., archts.; 20 room grammar school, brick and concrete, Phillips Brooks Dist., Dorchester, $550,000, J. M. Gray, 169 High St., archt. Plans 8 room addition to grammar school, Thomas Gardner Dist., Brighton, $175,000; 8 room addition to Mary A. Baker School, Tileston Dist., Dorchester, $125,000; 10 room addition to Frank V. Thompson School, Dorchester, $240,000; 16 room, Blue Hill Ave., William E. Endicott Dist., Dorchester, $400,000; 8 room addition to Florence Nightingale School, John Marshall Dist., $200,000; architects not selected.

Mass., Chicopee—School—Bd. Educ. plans 2 story and basement, brick and steel, Center School Dist. $150,000. Architect not selected.

Mass., Lawrence—City Hall—City having preliminary plans prepared by G. G. Adams, archt., Bay State Bldg., for city hall. $300,000.

R. I., East Providence (Providence P. O.) —Theatre and Business—Chiaverni & Blank, archts., 32 Bway., soon let contract 3 and 1 story, brick, concrete and steel, plain foundation, Bway., for D'Angelis Bros., c/o architects. $150,000.

R. I., Pawtucket—Church—St. Jean de Baptist Church, plans 1 story and basement, brick or stone, Harrison St. $150,000. A. Graton, Harrison St., pastor. Architect not announced.

R. I., Providence—Academy—La Salle Academy, 205 Fountain St., having plans prepared by J. W. Donahue, archt., 496 Main St., Springfield, Mass., 2 story and high basement, brick and concrete, Academy Ave. $400,000.

R. I., Providence—Library and Auditorium—Providence College soon takes bids 2 story, 60 x 150 ft., brick, steel and concrete, plain foundation, College St. $150,000. J. W. Donahue, 496 Main St., Springfield, Mass., archt.

R. I., Providence—Office—Providence Gas Co., Turks Head Bldg., plans office, brick, concrete and steel, Weybosset and Orange Sts. $250,000. Clarke & Howe, 1208 Turks Head Bldg., archts. Noted Dec. 28.

Conn., Hartford—School—St. Josephs Cathedral, c/o J. S. Duggan, pastor, 140 Farmington Ave., having plans prepared by W. F. O'Neill, archt., 277 Farmington Ave., 3 story, brick, concrete, stone and steel, Farmington Ave. $350,000. Noted Jan. 26.

Conn., New Haven—Club and Gymnasium—Della Valle & Vece, archts., 956 Chapel St., take bids about Feb. 15, 3 story and basement, 50 x 150 ft. brick and steel, plain foundation, Greene St., for St. Michael's Young Men's Club. $150,000.

N. Y., Alexandria Bay—School—Bd. Educ. and Citizens' Building Co. plan new school. $200,000. Address W. E. McDonnell.

N. Y., Brooklyn—Apartment—C. Groell, c/o Shampan & Shampan, archts. and engrs., 188 Montague St., having plans prepared 6 story, 100 x 175 ft., brick, steel and stone, plain foundation, St. Johns Pl. $600,000.

Buildings (Continued)

N. Y., Brooklyn — Apartment — Orange Constr. Co., c/o E. Roth, archt. and engr., 119 West 40th St., New York, having plans prepared 6 story, 101 x 101 ft., brick, steel and stone, plain foundation, Hicks St., here. $400,000.

N. Y., Brooklyn—Apartment Hotel—M. Ansorge and H. Kornblum Co., c/o B. W. Dorfman, archt. and engr., 26 Court St., having plans prepared 14 story, brick, steel and stone, plain foundation, Joralemon and Clinton Sts. $1,000,000.

N. Y., Brooklyn—Temple—Congregation Talmud Torah Tifereth Israel of Bensonhurst, c/o E. M. Adelsohn, archt. and engr., 1776 Pitkin Ave., having plans prepared brick, steel and stone, plain foundation, 79th St. near 20th Ave., here. $200,000.

N. Y., Buffalo—Museum—Dept. Parks and Buildings, City Hall, having preliminary plans prepared by Essenwein & Johnson, archts., Ellicott Sq. Bldg., natural science museum, Humboldt Parkway. $1,000,000.

N. Y., Fultonville—School—Bd. Educ. having preliminary plans prepared by G. W. Conable, archt. and engr., 45 West 24th St., New York City, brick, steel and stone, plain foundation. $150,000.

N. Y., Jamestown—Hotel—Hotel Jamestown, Inc., Cherry St., having plans prepared by W. L. Stoddart, archt., 9 East 40th St., New York City, 8 or 10 story, 3rd and Cherry Sts. $1,225,000.

N. Y., Johnstown—High School—Bd. Educ. having preliminary plans prepared by Tooker & Marsh, archts. and engrs., 101 Park Ave., New York City, brick, steel and stone, plain foundation. $325,000.

N. Y., Kenmore—High School—School Dist. 1, 69 Tremaine Ave., has purchased site in Delaware Rd. and plans to build high school. $500,000.

N. Y., Marion—School—Bd. Educ. having preliminary plans prepared by Tooker & Marsh, archts. and engrs., 101 Park Ave., New York City, brick, steel and stone, plain foundation. $200,000.

N. Y., New York—Hotel—Klein & Jackson, c/o Rouse & Goldston, archts. and engrs., 512 5th Ave., having plans prepared 80 x 100 ft., brick, steel and stone, plain foundation, East 67th St. $500,000.

N. Y., New York—School—St. Angelamerici Roman Catholic Church, c/o T. F. Dunn, archt. and engr., 62 West 45th St., soon takes bids 3 story, brick, steel and stone, plain foundation, 162nd St. and Morris Ave. $200,000. J. Harrington, pastor.

N. Y., New York—School—Bd. Educ., 500 Park Ave., soon takes bids P. S. 60, brick, steel and stone, plain foundation, East 12th St. $850,000. C. B. J. Snyder, Flatbush Ave. extension and Concord St., Brooklyn, archt. and engr.

N. Y., New York—School—Bd. Educ., 500 Park Ave., having plans prepared by C. B. J. Snyder, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, brick, steel and stone, plain foundation, Vyse Ave. $175,000.

N. Y., Niagara Falls—Apartment and Inn—Peabody-Schoelkopf Realty Co., Buffalo, (street address not available), having plans prepared by H. J. Cook, archt., 408 Pearl St., Buffalo, 3 story, modern, Old English style, Buffalo Ave., here. $150,000.

N. Y., Scotia—School—Bd. Educ. having preliminary plans prepared by Tooker & Marsh, archts. and engrs., 101 Park Ave., New York City, brick, steel and stone, plain foundation. $200,000. Noted May 11.

N. Y., Solvay (Syracuse P. O.)—High School—Bd. Educ. takes bids in February, 3 story, 120 x 218 ft., brick and steel, Orchard Rd. $400,000. M. L. King, Snow Bldg., Syracuse, archt. and engr. Noted July 13.

N. Y., Syracuse—High School—Bd. Educ. having plans prepared by A. L. Brockway, archt. and engr., Syracuse Savings Bank Bldg., 17th Ward Junior High School, 2 story and basement, 200 x 300 ft., brick, steel and stone. $450,000. Noted May 4.

N. Y., Watertown—Office—F. A. Empsall, 126 Flower Ave., purchased Taggart site on Public Sq., and plans office building. $200,000. Address C. A. Phelps, Bank Bldg. Architect not selected. Noted April 13.

N. J., Paterson — Hotel — Alexander Hamilton Hotel, c/o Guilbert & Bettelle, archts. and engrs., 2 Lombardy St., Newark, soon takes bids brick, steel and stone, plain foundation, here. $1,000,000.

Pa., Altoona—Hotel—Blair Hotel Co., c/o D. J. Howard, secy., Chamber of Commerce Bldg., and Altoona Hotel Co., c/o G. D. Worthington, managing dir., Hotel Penn-Alto, having plans prepared by W. L. Stoddard, archt., 9 East 40th St., New York City, 3 story, 105 room addition, rein.-con. and brick, 13th Ave.

Pa., Ambridge—High School—Bd. Educ. having plans prepared by W. W. Williams, archt., 309 4th Ave., Pittsburgh, 2 story and basement, 71 x 250 ft. with 50 x 85 ft. wing, Duss Ave. $400,000. Noted Nov. 30.

Pa., Bradford—Church—First Methodist Episcopal Church, c/o L. O. Longworthy, having plans prepared by E. D. Green & Sons, archts., Niagara St., Buffalo, N. Y., 1 and 2 story and basement, $150,000.

Pa., Clearfield—Church—West Side Methodist Episcopal Congregation, c/o A. C. Kramer, pastor, having plans prepared by J. C. Fulton & Son, archts., Uniontown, 1 story and basement, 60 x 84 ft. and 60 x 109 ft. brick and stone. $150,000.

Pa., Grove City — Dormitory — Grove City College having plans prepared by W. G. Eckles, archt., Lawrence Savings Bldg., New Castle, 4 story and basement additions, 2 wings, 30 x 40 ft. and 1 wing 20 x 100 ft., brick and stone. $250,000.

Pa., Harrisburg — Hotel — Penn Harris Hotel, c/o W. L. Stoddart, archt. and engr., 9 East 40th St., New York City, soon takes bids brick, steel and stone. $500,000. Noted July 6.

Pa., Harrisburg — Schools — Bd. Educ. plans two 2 story, 8 room brick and steel schools, one at Washington Heights, other at Manor Park. $150,000. T. B. Stockham, Stockham Bldg., archt.

Pa., Mt. Union—School—Mt. Union School Dist., c/o E. Goodman, having plans prepared by Hersh & Shollar, archts., Commerce Bldg., Altoona, 2 story and basement, 42 x 83 ft., rein.-con. and brick. $150,000.

Pa., New Castle—Theatre—J. Genkinger, Opera House, plans theatre, East Washington Ave., to exceed $150,000. Architect not selected.

Pa., Phila. — Apartment—E. Towsen, Norris Bldg., plans 4 story and basement, brick, steel and stone, plain foundation, 43rd and Spruce Sts. $500,000. N. Hulme, 1524 Chestnut St., archt.

Pa., Phila.—Exchange—Bell Telephone Co., Parkway Bldg., soon takes bids 3 story and basement, 50 x 220 ft. brick, steel and stone, plain foundation, 38th and Chestnut Sts. $250,000. J. T. Windrim, Commonwealth Bldg., archt.

Pa., Phila.—Hotel—Phila. Hotel Corp., 642 Widener Bldg., does not plan to build 20 story and basement, 84 x 219 ft. brick and stone, Broad and Locust Sts. This corrects report in Jan. 18 issue.

Pa., Phila.—Loft—S. Sionsky, 1033 North Front St., soon takes bids 5 story and basement, 54 x 100 ft. rein.-con. and brick, Front and Allen Sts. $175,000. F. N. Greisler, 1035 Walnut St., archt.

Pa., Phila.—Office—U. S. Fidelity & Guarantee Co., c/o J. K. Kane, 315 Walnut St., having plans prepared by Parker, Thomas & Rice, archts., Union Trust Bldg., Baltimore, Md., 9 story, concrete, steel and stone, 125-129 5th St. $250,000.

Pa., Pittsburgh—Office—See "Industrial Works."

Pa., Pittsburgh—School—Bd. Educ., Fulton Bldg., having plans prepared by L. Stevens, archt., Century Bldg., 2 story and basement, brick and tile, Bonvue Ave. $225,000.

Pa., Pittsburgh—School—Bd. Educ. soon takes bids 3 story, concrete, brick and steel, Brighton Rd. and Island Ave. Cost to exceed $150,000. J. T. Steen & Son, Vandergrift Bldg., archts.

Pa., Shamokin—Bank—Guarantee Trust & Deposit Co., c/o T. R. Moser, plans 1 story, mezzanine and basement, 50 x 95 ft., brick, steel, granite and limestone, plain foundation. $175,000. W. H. Lee, 32 South 17th St., Phila., archt.

Pa., Torresdale (Phila. P. O.)—Home—Dept. Pub. Welfare, City Hall, plans 3 story and basement, 40 x 100 ft. concrete, brick, steel and stone, $250,000. J. P. B. Sinkler, 1211 Chestnut St., Phila., archt.

Pa., Waynesburg—Church—First Presbyterian Congregation, having plans prepared by Smith & Walker, archts., 80 Boyleston Ave., Boston, Mass., 1 story and basement, brick and stone. $150,000.

Md., Westport (Baltimore P. O.)—School—Mayor and City Council, City Hall, Baltimore, having plans prepared by B. Frank, archt., 328 North Charles St., Baltimore, 3 story, 60 x 227 ft., concrete and brick, Nevada and 1st Sts., here. $600,000. H. Massart, 328 North Charles St., Baltimore, engr.

D. C., Wash.—Apartment—[illegible] A. Blossing, 317 Woodward Bldg., have plans prepared by H. H. Warwick, archt. Munsey Bldg., apartment house, 63 apartments, 13th St. and Wyoming Ave. $300,000.

D. C., Wash.—Apartment—[illegible]negie Real Estate Co., 1344 G St., N.W., has plans prepared by C. Hest, archt., 1403 [illegible] St., N.W., for apartment house, 250 apartments. $750,000.

D. C., Wash.—Office and Store—F. H. Smith, 1414 I St., N.W., having plans prepared by J. DeSibour, archt., Hibbs Bldg., 911 15th St., N.W., office and store building, 15th and K Sts., N.W. $2,500,000.

D. C., Wash.—School—Dist. Comrs., 509 Dist. Bldg., having plans prepared, alterations and additions to Armstrong Manual Training School. $500,000.

D. C., Wash.—Theatre—T. Moore, Hadleigh Apartments, had plans prepared by J. J. Zink, archt., 126 Overland Ave., Baltimore, Md., for theatre at 18th St. and Columbia Rd., N.W. $250,000.

N. C., Elon College—School—Elon College plans to rebuild school, recently destroyed by fire. $250,000. W. A. Harper, pres.

Tenn., Chattanooga — Office — Interstate Life & Accident Co., Vol. State Life Bldg., receiving competitive sketches for 6 story, 150 x 250 ft. McCallie and Mabel Sts. $250,000.

Tenn., Memphis—Sunday School—Methodist Episcopal Church South having plans prepared by H. T. McGee, archt., Madison Ave. Bldg., 1½ to 2 story annex to church, brick and stone, North 2nd St. and Poplar Ave. $175,000.

Ky., Lexington—City Hall—City having plans prepared by F. L. Packard, archt., Hayden Bldg., Columbus, O., city hall, North Limestone and Barr Sts. $500,000 bonds voted.

Ky., Louisville — Apartment — Consolidated Realty Co., 229 South 5th St., plans addition, 4th St. near Ormsby Ave. $400,000.

Ky., Louisville — Sales—See "Industrial Works."

Ky., Louisville—Station—Louisville Ry. Co., Traction Bldg., plans joint interurban station, 2nd and Liberty Sts. $500,000.

O., Cleveland—Apartments—Garden Court Realty Co., c/o G. A. Grieble, pres. and archt., 517 Sloan Bldg., having plans prepared two 8 story and basement, 128 suites, brick, steel and concrete, 7338 Euclid Ave. $1,000,000.

O., Cleveland—Apartment—W. T. Solecki, 11627 Ely Ave., having plans prepared by L. Skolnik, archt., 11914 Kinsman Rd., 3 story, 80 x 100 ft., brick and timber, Lakeview Rd. near Superior Ave. $150,000.

O., Cleveland Heights (Warrensville P. O.)—Abrams Bros., 201 Ulmer Bldg., Cleveland, soon lets contract 3 story, 80 x 122 ft., brick and steel, 2872 Mayfield Rd., here. $160,000. Brauerman & Havermaet, 801 Ulmer Bldg., Cleveland, archts.

O., Cleveland Heights (Warrensville P. O.)—Apartment—L. B. Shifrin, 2229 East 78th St., Cleveland, having plans prepared by Braverman & Havermaet, archts., 801 Ulmer Bldg., Cleveland, 3 story and basement, brick, Overlook Rd. near Mayfield Rd., here. $250,000.

O., Cleveland Heights (Warrensville P. O.)—Temple—B'nai Jeshurum Congregation, c/o H. Spira, 2207 Ontario St., Cleveland, having sketches made by J. L. Weinberg, archt., 3226 Euclid Ave., Cleveland, 3 story and basement, brick, steel and concrete, Euclid Heights Blvd. and Derbyshire Rd., here. $750,000.

O., Dayton—Office—City plans 8 story, 50 x 300 ft., rein.-con., brick and stone, plain foundation, Main and Market Sts. $750,000. F. O. Eichelberger, city mgr. Architect not selected.

O., Dayton—School—Bd. Educ. plans 2 story and basement, 36 rooms, brick and rein.-con., Burns Ave. $500,000. E. E. Turvene, Bd. Educ., supt. constr.

O., Youngstown—Club—West Mahoning Athletic Club having plans prepared by Stanley & Schelbel, archts., 1301 Wick Bldg., and takes bids about April 1, 1 and 2 story, club. $150,000. W. J. Dunlap, pres.

Ill., Chicago—Apartment—H. P. Aarens, archt., 127 North Dearborn St., preparing plans 3 story and basement, 100 x 140 ft., rein.-con., brick and steel, Congress St. and Lockwood Ave. $175,000. Owner's name withheld.

Ill., Chicago—Office—Central Furniture Market, c/o G. C. Nimmons, archt., 122 South Michigan Ave., plans 12 story and basement, 50 x 146 ft., rein.-con., brick and steel, 1416-18 South Wabash Ave. $500,000.

Buildings (Continued)

Ill., Chicago—School—Bethany Bible Institute, 3435 West Van Buren St., plans 2 story and basement, 72 x 240 ft., rein.-con., brick and steel addition. Congress St. near St. Louis Ave. $300,000. N. M. Dunning, 304 South Wabash Ave., archt.

Ill., Glencoe—Church, etc.—St. Elizabeths Episcopal Parish, c/o Coolidge & Hodgdon archts., 134 South La Salle St., Chicago, plans 1 and 2 story, rein.-con., brick and steel, church and parish house, South St. near Vernon Ave., here. $200,000.

Ill., Park Ridge—Theatre, Store and Office—Barry, Byrne & Ryan Co., archts., 104 South Michigan Ave., Chicago, soon receive bids 2 story and basement, 142 x 200 ft., rein.-con., brick and steel, Prospect Ave., here, for Home Realty Co., Park Ridge. $250,000.

Ill., South Chicago (Chicago P. O.)—Hospital—E. E. Hall, archt., 123 West Madison St., takes bids in about 2 weeks, 4 and 5 story and basement, 125 x 149 ft., rein.-con., brick and steel, 11th and Perry Sts., for South End Hospital Assn., 11212 South Michigan Ave. $300,000. Noted July 6.

Ill., Rogers Park (Chicago P. O.)—Apartment—A. J. Alcorn, 2022 North Tripp Ave., Chicago, having plans prepared by F. V. Prather, archt., 400 North Michigan Ave., Chicago, 3 story and basement, rein.-con., brick and steel, here. $250,000.

Wis., Appleton—Vocational School—Bd. Educ., c/o Clerk, having plans prepared by Perkins, Fellow & Hamilton, archts., 814 Tower Court, Chicago, 3 story and basement, 150 x 175 ft., brick, rein.-con. and steel, plain foundation. $500,000.

Wis., Madison—Store—Kessenicks Co., 26 North Carroll St., having plans prepared by F. Riley, archt., Conklin Bldg., 2 and 4 story, 60 x 155 ft., brick, rein.-con. and steel, plain foundation, State St. $150,000. F. Kessenick, mgr.

Wis., Manitowoc—Hospital—Holy Family Hospital, c/o Franciscan Sisters, having plans prepared by E. Brielmaier & Sons, archts., 432 Bway., Milwaukee, 4 story and basement, brick and concrete, plain foundation. $300,000.

Wis., Oshkosh — Hospital — Mercy Hospital, 185 Hazel St., having plans prepared by E. Brielmaier & Sons, archts., 432 Bway., Milwaukee, two 4 story and basement, 46 x 100 ft. additions, brick and concrete, plain foundations. $200,000.

Wis., Oshkosh—Store—Medberry-Findeisen Co., 58 Algoma St., plans to rebuild 3 story, 75 x 150 ft., rein.-con., steel and brick, plain foundation, recently destroyed by fire. $150,000. Architect not selected.

Wis., Verona—Asylum, etc.—Dane Co. Bd., c/o M. Sommers, chn., Court House, Madison, having plans prepared by A. D. Conover, archt., Tenney Bldg., Madison, 4 story, 160 x 140 ft. asylum, incl. cold storage building, brick, rein.-con. and steel, plain foundation. $150,000. Noted Dec. 28.

Wis., Wausau—Bank and Office—Amer. Natl. Bank having preliminary plans prepared by Childs & Smith, archts., 64 East Van Buren St., Chicago, 8 story and basement, 50 x 120 ft., brick, stone and concrete, plain foundation. $300,000.

Ia., Ames—High School—Feb. 8 to vote on $200,000 bonds for high school. Noted Jan. 18.

Ia., Sioux City—Schools—March 12 to vote on $850,000 bonds for schools.

Ia., Waterloo—Store—P. Davis Dry Goods Co., 510 Commercial St., having plans prepared by C. P. Schockley, archt., 719 Black Bldg., 6 to 8 story and basement, rein.-con., brick, tile and stone, Commercial St. $600,000.

Kan., Kansas City—Club and Office—B. P. O. E. Lodge 440, c/o W. L. Woods, secy., 717 Minnesota Ave., having plans prepared by J. T. Craven Eng. Co., St. Louis, Mo., 12 story and basement, rein.-con., terra cotta, brick and stone, 7th St. and Minnesota Ave. $700,000.

Kan., Pittsburg—Temple—Masonic Lodge having preliminary plans prepared by Henrici & Loury, archts and engrs., 222 Commerce Bldg., Kansas City, Mo., 3 story and basement, 140 x 200 ft., rein.-con., brick and steel. $400,000.

Kan., Wichita—Station—Missouri Pacific Ry., Railway Exch., St. Louis, Mo., Midland Valley Ry., Liberty Bldg., Phila., and Orient R.R., plan 2 story union station, stone, West Douglas St., here. $250,000.

Neb., Grand Island—Schools—Election Feb. 11 to vote on $400,000 bonds, for schools.

Mo., Kansas City—Lodge—Greenbaum, Hardy & Schumacher, archts., 216 Scarritt Bldg., takes bids in about 2 weeks 3 story and basement, 110 x 160 ft., rein.-con. and brick, Linwood Ave. and Wynne St., for Y. M. H. A., 3117 Troost Ave. $300,000.

Ark., Blytheville—Bank and Office—1st Natl. Bank having plans prepared by Sieg & Mandeville, archts., Randolph Bldg., Memphis, Tenn., 2 story and basement, 35 x 140 ft., rein.-con., steel and white Indiana limestone. $150,000. T. G. Mahan, vice pres. and chn. building com.

Okla., Chickasha—Court House—Grady Co. plans election early in spring to vote on $250,000 bonds for court house. W. T. Cloud, clk.

Okla., Okmulgee—Community—City plans 2 story and basement, 120 x 140 ft., rein.-con., brick and terra cotta, North Alabama Ave. $165,000. Architect not selected.

Okla., Okmulgee — Temple and Office—Masonic Temple Assn. had plans prepared by J. M. Whitehead, archt., Rebold Bldg., 5 story and basement, 70 x 103 ft., rein.-con., brick and stone, 5th and Grand Sts. $350,000.

Okla., Ponca City—Business—Ponca City Masons plan 5 story, 50 x 140 ft., brick and steel, 3rd St. and Grand Ave. $200,000.

Okla., Ponca City—School—Bd. Educ. having plans prepared by Smith & Senter, archts., 602 Finance Bldg., Kansas City, Mo., rein.-con., brick and stone. $150,000.

Okla., Tulsa—Chamber of Commerce—Business Men's Organization had plans prepared 5 story, rein.-con. and steel. $75,000 already raised. Cost $150,000.

Okla., Tulsa—Office—E. S. Hutchinson, 2012 East 6th St., had plans prepared 2 story, 100 x 100 ft., rein.-con. and steel, plain foundation, 6th St. $150,000.

Nev., Gerlach—Hotel, Auditorium, etc.—Pacific Portland Cement Co., Pacific Bldg., San Francisco, Calif., had plans prepared by Weeks & Day, archts., California Insurance Bldg., San Francisco, Calif., for townsite, incl. rein.-con. hotel, cottages, auditorium, etc., power plant and tramway. Owner receiving quotations on materials and supplies.

Wash., Walla Walla—Hospital—Memorial Hotel Assn. plans hospital. $300,000.

Calif., Huntington Beach—School—Huntington Beach Grammar School Dist., to vote on $250,000 bonds for school.

Calif., Los Angeles—Loft and Store—Alexander and Oviatt, c/o Walker & Eisen, archts., Pacific Finance Bldg., having sketches made 12 story, fireproof, Olive St. To exceed $500,000.

Calif., Placerville—High School—Placerville, High School Dist. to vote on $160,000 bonds for high school. Architect not selected.

Calif., San Francisco—Home—City and San Francisco Co., having plans prepared by J. Reid, Jr., archt., 1st Natl. Bank Bldg., group of buildings for relief home, fireproof. $2,000,000 bonds voted. Noted Oct. 19.

Que., Montreal—Office—Montreal Insurance Exch., c/o J. N. Greenshields, 120 St. James St., takes bids within 2 weeks, 10 story, 85 x 110 x 190 ft. St. James and Notre Dame Sts. $3,000,000. Architect not announced.

Ont., North Bay—School—Bd. Educ. plans 2 or 3 story and basement, 12 room, concrete, brick and steel addition. $200,000. Architect not selected.

Ont., Ottawa—Auditorium—Milson & Burgess, archts., Spark St., soon take bids brick and steel auditorium, incl. stores and skating rink, O'Connor St., for Ottawa Auditorium, Ltd., Sparks St. $225,000.

Ont., Ottawa—Store and Office—C. R. Stephen, 246 1st Ave., takes bids in early spring, 4 story and basement, 33 x 64 ft. rein.-con., brick and steel, Bank St. $200,000.

Ont., Toronto—Commercial School—Bd. Educ., 155 College St., having plans prepared by C. Dyson, archt., 155 College St., 3 story and basement, 12 room, concrete, brick and steel, eastern section of city. $200,000.

Ont., Toronto—School—Bd. Educ., 155 College St., having plans prepared by C. Dyson, archt., 155 College St., 2 story and basement, 8 room, concrete, brick and steel, Lyall Ave. $150,000.

Ont., Toronto—Schools—Bd. Educ. having plans prepared by C. Dyson, archt., 155 College St., 2 story and basement, 8 room, concrete, brick and steel addition to Riverdale Collegiate. $150,000.

Cuba, Havana—Hotel—J. McE. Bowman, Hotel Biltmore, New York City, having plans prepared by Schultze & Weaver, archts., 17 East 49th St., New York City, 10 story, brick, steel and stone, plain foundation, here. $5,000,000.

BIDS DESIRED

Mass., East Boston (Boston P. O.) — Grammar School—Feb. 16, by J. J. Mahar, schoolhouse comr., Room 1007 City Hall, Boston, 2 story and basement, brick and concrete, in Theodore Lyman Dist., here. $150,000. J. Purdon, 8 Beacon St., Boston, archt.

Mass., Roxbury (Boston P. O.)—School—Feb. 23, by J. J. Mahar, schoolhouse comr., Room 1007 City Hall, Boston, 2 story and basement, brick and concrete, 8 room addition to Julia Ward Howe School, here. $125,000-$175,000. F. I. Cooper Corp., 72 Tremont St., Boston, archts.

R. I., Lonsdale (Pawtucket P. O.)—High School—Building Comn. of Town of Cumberland (Manville P. O.), taking bids 2 story and basement, 60 x 120 ft. with 40 x 43 ft. ell, brick and steel, plain foundation, here. $150,000. J. F. O'Malley, 241 Fanning Bl., Pawtucket, archt.

R. I., Providence—School—A. J. Murphy, archt., 146 Westminster St., taking bids 2 story and basement, 70 x 140 ft., rein.-con. and brick, plain foundation, Oxford St., for St. Michael's Roman Catholic Church. $200,000.

N. Y., Attica—High School—Feb. 26, by Bd. Educ., 3 story, 80 x 150 ft., brick and stone, Prospect St. $260,000. Former bids rejected. Miller & McNeil, 80 West Genesee St., Buffalo, archts. Noted Nov. 23.

N. Y., Cortland—High School—Bd. Educ. taking bids and opens same about Feb. 15, brick, steel and stone addition, plain foundation. $400,000. G. W. Conable, 45 West 24th St., New York City, archt. and engr. Noted Jan. 25.

N. Y., Jamestown—High School—Feb. 21 by Bd. Educ., 3 story, 150 x 180 ft., brick. Buffalo St. $350,000. Guilbert & Bettelle, 2 Lombardy St., Newark, N. J., archts. and engrs. Former bids rejected. Noted Nov. 2.

N. Y., Brooklyn — Apartment — Nayet Constr. Co., c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., New York, 6 story, 100 x 120 ft., brick, steel and stone, plain foundation, 74th St., here. $200,000. Work will be done by separate contracts under supervision of architects.

N. Y., New York—Office—See "Contracts Awarded."

N. Y., Roosevelt—School—Feb. 27, by Bd. Educ., brick, steel and stone, plain foundation. $150,000. Tooker & Marsh, 101 Park Ave., New York City, archts. and engrs. Noted Jan. 18.

N. Y., Whitehall—School—Feb. 26, by Bd. Educ., brick, steel and stone, plain foundation, $150,000. Tooker & Marsh, 101 Park Ave., New York City, archts. and engrs. Noted Jan. 18.

N. J., Jersey City—Hotel—Gershonowitz Bros., c/o Clinton & Russell, archts. and engrs., 100 Maiden Lane, New York City, 7 story, 50 x 125 ft., brick, steel and stone, plain foundation, Sip Ave., here. Work will be done by separate contracts.

Pa., Bridgeport—School—Feb. 5, by H. C. Richards, archt., 618 Chestnut St., Phila., 2 story and basement, 70 x 140 ft. brick, steel and stone, plain foundation, for Bd. Educ. $200,000.

Pa., Lock Haven—Lodge—Feb. 5, by J. W. Dickey, chn. building com. Masonic Temple Assn., 3 story and basement, 60 x 160 ft. brick and steel, Main and Grove Sts. $150,000. Sterns & Woodnutt, 920-923 Stephen Girard Bldg., Phila., archts. Noted Oct. 12.

Pa., Norristown—Thomas, Martin & Kirkpatrick, archts., Otis Bldg., Phila., taking bids 3 story and basement, 72 x 176 ft. building, for Y. M. C. A., c/o H. C. Gresh, Norristown.

Pa., Phila.—Apartment—Kennedy & Johnson, archts., 1324 Walnut St., taking bids 14 story and basement, 150 x 208 ft. with one 44 x 60 ft. and one 52 x 300 ft. wings, Lincoln Dr. and Johnson St., for Lincoln Dr. Apartment Co., c/o L. D. Cahan, 1324 Walnut St. $2,000,000. Noted Jan. 25.

Pa., Phila.—Apartment—Neubauer & Supowitz, archts., 929 Chestnut St., taking bids 3 story and basement, 55 x 119 ft. brick and stone, plain foundation, 42nd and Baltimore Aves., for E. Zinn, 831 Chestnut St. $200,000. Former bids rejected. Noted Nov. 16.

Pa., Phila.—Office—J. Catlin, c/o Magaziner, Eberhard & Harris, archts., 603 Chestnut Sts., taking bids 12 story and basement, 72 x 106 ft. concrete, brick, steel and stone, 13th and Filbert Sts. $500,000.

Pa., Phila.—Schools—Feb. 8, by Director Bd. Educ., 19th and Chestnut Sts., 4 story and basement, 148 x 172 ft. brick, steel and stone, Large and Dyre Sts. $450,000, also 4 story and basement, 148 x 172 ft. brick, steel and stone, plain foundation, Knorr and Cottman Sts., $400,000, Private plans.

Buildings (Continued)

Pa., Phila.—Store and Office—C. P. Berger, archt., 1512 Walnut St., taking bids 4 story and basement, 44 x 230 ft. brick, steel and stone, plain foundation, 1924-26 Chestnut St., for Phila. Art Galleries, 15th and Chestnut Sts. $200,000.

Pa., Trafford—High School—Feb. 19, by Bd. Educ., 2 story, basement and sub-basement, 65 x 92 ft. brick and tile, 5th St. and Fairmont Ave. $150,000. W. H. King, Jr., Ferguson Bldg., Pittsburgh, archt.

W. Va., Charleston—Temple—J. L. Montgomery, associated archt., Coyle-Richardson Bldg., receiving bids 2 story and basement 135 x 200 ft., brick, tile, steel and stone, Quarrie and Morris Sts., for Baptist Temple Congregation. $300,000. L. Flagg, 111 East 40th St., New York City, archt.

W. Va., Williamson—Hotel—Feb. 15, by C. F. Vaughn, Vaughn Hotel, and R. M. Bates, Jr., archt., Mortimer Pl., Huntington, 5 story and basement, 97 x 100 ft., brick and steel. $200,000. Noted Dec. 14.

Tenn., Bristol—School—Taking bids and opens same about March 10, for Mary St. School, 3 stor.y 95 x 230 ft., $250,000. D. R. Beeson, Johnson City, archt.

O., Akron—Office—Feb. 5, by United Cigar Store Co., 44 West 18th St., New York City, 8 story, 50 x 100 ft., brick and steel, concrete pile foundation, Main and Market Sts., here. $800,000. Sommerfeld & Steckler, 31 Union Sq., New York City, archts. and engrs. Noted Dec. 21.

O., Cleveland—Bank and Office—Atlas Savings & Loan Co., c/o J. F. Rybak, pres., 5454 Bway., taking bids and opens same about Feb. 20, 5 story and basement, 37 x 100 ft., brick, steel and concrete, 5644 Bway. $150,000. J. H. Graham & Co., 8201 Cedar Ave., archts. Noted Dec. 21.

O., Cleveland—Office and Commissary—Clark Restaurant Co., c/o H. Y. Clark, pres., 1954 East 6th St., taking bids 2 story and basement, 112 x 120 ft., brick, steel and concrete, East 23rd St. and Payne Ave. $150,000. J. Gray, 1685 High St., Boston, Mass., archt. Noted Dec. 7.

O., Cleveland Heights (Warrensville P. O.)—City Hall—Feb. 14, 2 story and basement, brick, steel and concrete, Mayfield Rd. $175,000. W. R. Powell, Rose Bldg., Cleveland, archt. Noted March 9.

O., Cleveland Heights (Warrensville P. O.)—School—Feb. 21, by Bd. Educ., 1005 Lee Rd., 2 story, 100 x 211 ft., brick, steel and concrete. $250,000. F. C. Warner, 767 Hippodrome Bldg., Cleveland, archt.

O., Columbus — Lodge — Feb. 7, by United Commercial Travelers of America, c/o W. D. Murphy, supreme secy., Park St., 2 story and basement, 112 x 155 ft., brick, steel and concrete, Park St. $200,000. T. D. McLaughlin & Associates, Savings Bldg., Lima, archts.

O., Greenville—High School—Feb. 15, by Bd. Educ., 2 story, brick, steel and concrete. $600,000. W. B. Ittner, Bd. Educ. Bldg., St. Louis, Mo., archt. Noted Dec. 28.

O., Massillon—High School—Feb. 12, by Bd. Educ., 2 story, junior high school. $300,000. Albrecht, Wilhelm & Kelly, 1836 Euclid Ave., Cleveland, archts.

O., Upper Arlington (Columbus P. O.)—School—Feb. 17, by J. E. Barker, clk. Bd. Educ., 3 story, 62 x 124 ft., rein.-con., brick and stone, Arlington Ave. $175,000. Miller & Reeves, 20 South 3rd St., Columbus, archt. H. D. Smith, 50 East Town St., Columbus, consult. archt.

O., Warren—Bank and Office—Feb. 12, by Trumbull Savings & Loan Co., 102 High St., 10 story, 40 x 132 ft., brick, steel and concrete, North Park and High Sts. $400,000. Watson Eng. Co., 4614 Prospect Ave., Cleveland, archts. Noted Dec. 7.

Ind., Ft. Wayne — Temple — C. R. Weatherhogg, archt., Citizens Trust Bldg., taking bids and soon opens same, 10 story, 90 x 130 ft., brick, steel and concrete, for Masonic Temple Building Co., Wayne and Clinton Sts. $1,000,000. C. C. French, Plymouth Bldg., Cleveland, O., engr. Noted Dec. 7.

Mich., Grand Rapids—High School—Feb. 13, by H. H. Turner, archt., 923 Michigan Trust Bldg., 4 story, 109 x 224 ft. rein.-con., brick and stone, plain foundation, Bway., for Bd. Educ. $300,000.

Ill., Chicago—Apartment—Loewenberg & Loewenberg, archts., 111 West Monroe St., receiving bids 3 story and basement, 120 x 132 ft., rein.-con., brick and steel, Ashland Ave. and Juneway Terrace. $175,000. Owner's name withheld.

Ill., Chicago—Hospital and Home—Schmidt, Garden & Martin, archts., 104 South Michigan Ave., receiving bids 2 and 3 story, 175 x 175 ft., rein.-con., brick and steel, Crawford and Keeler Sts., for Salvation Army. $150,000. Noted Feb. 16.

Ill., Evanston—Store and Office—Feb. 10, by Lowe & Bollenbacher, archts., 108 South La Salle St., Chicago, 6 story and basement, 70 x 120 ft., rein.-con., brick and steel, 517 Davis St., for Northwestern University, 522 Davis St., $250,000. J. G. Rogers, 367 Lexington Ave., New York City, associated archt.

Ia., Mason City—Home—Feb. 5, by Independent Order Odd Fellows, W. F. Knight, chn. Home Comn., Des Moines, 3 story and basement, 60 x 160 ft., rein.-con., brick, tile and stone addition, here. $150,000. Proudfoot, Bird & Rawson, 810 Hubbell Bldg., Des Moines, archts. Noted Dec. 7.

Minn., Minneapolis—Junior High School—Feb. 15, by Bd. Educ., 305 City Hall, 3 story and unfinished basement, 45 x 250 x 300 ft., with 1 story, 60 x 80 ft. wing, rein.-con., brick and tile, 26th St. and Emerson Ave. S. $550,000. Div. of Design and Inspection, Bd. Educ., 245 9th Ave., N., archts. Noted Dec. 14.

Mo., St. Louis—Apartment Hotel—A. M. Cornwell, 111 North 7th St., 6 story, 236 x 236 ft., West Pine Blvd. and Euclid Ave. $2,200,000. Work will be done by separate contracts under supervision of P. J. Bradshaw, archt., International Life Bldg.

Calif., Oakland—School—Feb. 13, by Bd. Educ., constructing S. B. Anthony School, 2 story, rein.-con. and hollow tile, Park Hill Blvd. and Hopkins St. First unit $100,000. Total cost $1,000,000. C. W. Dickey, 2149 Bway., archt.

Man., St. Boniface—School—A. Henry, pastor, taking bids building Provencher School, here. $200,000. Private plans.

BIDS RECEIVED

N. Y., Brooklyn—School—C. B. J. Snyder, supt. School Buildings of Bd. Educ., Flatbush Ave. extension and Concord St., opened bids Jan. 29, brick, steel and stone addition to P. S. 6, plain foundation, Warren St. near Smith St., from C. Meads Co., 217 West 14th St., New York City, $184,000; Werner Disken Co., $199,800; Concord Constr. Co., 476 Seneca Ave., $214,900. Noted Jan. 25.

Pa., Brackenridge—High School—School Dists. of Brackenridge and Harrison Twp., c/o T. M. Hathaway, 74 Garfield St., Natrona, opened bids 2 story and basement, 178 x 179 ft., Freeport Rd., general contract from Natl. Concrete Fireproofing Co., Citizens Bldg., Cleveland, O., $168,711, West Bros., 635 Trenton Ave., Wilkinsburg, $176,965, J. G. Fullman Co., East End Trust Bldg., Pittsburgh, $178,966; heating from J. A. Langdon & Son, 2030 5th Ave., Pittsburgh, $26,000, R. T. Withers & Son, New Castle, $28,243, T. W. Forrester, 860 Stanton Ave., New Kensington, $28,327. Noted Nov. 2.

Mich., Holland—High School—Bd. Educ. opened bids 2 story and basement, concrete, brick and steel, plain foundation, from W. M. Allen, 929 Jefferson Bldg., Peoria, Ill., $193,749; Van Dyke & Oosting, Holland, $195,435; F. Dyke, Holland, $200,800.

Mich., Kalamazoo—High School—R. A. Leroy, archt., Pratt Bldg., opened bids 4 story, 114 x 173 x 173 ft. rein.-con. and brick, plain foundation, from DeRight Bros., Stockbridge Ave., $297,000; H. L. Vanderhorst, Kalamazoo, $319,000; A. J. DeKoning, Vine St., $359,000. Noted Jan. 18.

Ia., Des Moines—Office and Store—Sidverberg & Lince, S. and L. Bldg., superstructure 6 story, 67 x 130 ft., rein.-con. brick, tile and stone, 5th and Walnut Sts., from Sugarman Constr. Co., 8th and Tuttle Sts., $176,200; A. H. Neumann Co., 519 Hubbell Bldg., $176,439; J. A. Benson Constr. Co., Valley Natl. Bank Bldg., $178,000. Noted Jan. 18.

Wash., Everett—Hospital—Bebb & Gould, archts., Hoge Bldg., Seattle, opened bids Jan. 20 3 story and basement, 42 x 206 ft., brick and stone, 13th and Colby Sts., here, for Everett Hospital Assn., from J. Arrington, Seattle (street address not available) $215,291; W. T. Butler, Central Bldg., Seattle, $242,000; Arveson & Lidral, Downs Bldg., Seattle, $251,225. Archts. est. $250,000.

BRIDGES—MISSOURI

Bids were opened by State Highway Dept., Jefferson City, Dec. 20, for constructing bridges over Missouri River on state road from Carrollton to Lexington, Federal Aid Project No. 220, Carroll and Lafayette Counties, (1) substructure, (A) Missouri Valley Bridge & Iron Co., 4th and Walnut Sts., Leavenworth, Kan., (awarded contract); (B) Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City; (C) Foundation Co., 209 South LaSalle St., Chicago; (D) Union Bridge & Constr. Co., Kansas City; (2) erecting superstructure, (A) Wisconsin Bridge & Iron Co., North Milwaukee, Wis., (awarded contract); (B) Mt. Vernon Bridge Co., Mt. Vernon, O.; (C) Kansas City Bridge Co.; (3) furnishing material for superstructure, (A) Wisconsin Bridge & Iron Co., (awarded contract); (B) Mt. Vernon Bridge Co.; (C) Kansas City Bridge Co.; (D) McClintic-Marshall Co., Chicago. The unit bids were as follows:

	A	B	C	D
4,585 cu.yd. concrete, pier bases	$36.00	$46.00	$43.00	$47.00
162 cu.yd. concrete, pier bases	39.00	31.70	77.00	30.00
2,255 cu.yd. concrete, pier shafts	25.00	26.20	26.30	27.50
205 cu.yd. concrete in bents	28.00	28.00	27.00	27.50
120 cu.yd. concrete in abutments	28.00	33.00	28.00	32.00
47,000 lb. reinforcing steel	.565	.067	.08	.064
5,400 cu.yd. embankment	.60	.75	1.50	.80
2,100 tons riprap	4.50	6.60	8.00	7.00
340 cu.yd. stone revetment	2.00	4.70	4.00	4.50
Extended totals	$252,819	$307,483	$302,851	$315,423
4,180,000 lb. fabricated structural steel	$0.0165	$0.0234	$0.03	.....
3,940 lin.ft. structural steel railing	.35	.41	.80	.....
3,940 lin.ft. gas pipe railing (alternate)	.33	.70	.80	.....
850 cu.yd. concrete slab	19.75	33.00	31.20	.....
120,000 lb. reinforcing steel	.011	.05	.0685	.....
Extended totals	$88,378	$133,477	$162,692	.....
4,180,000 lb. fabricated structural steel	$0.0435	$0.044	$0.0462	$0.0550
3,940 lin.ft. structural steel railing	5.65	4.00	3.80	4.65
3,940 lin.ft. gas pipe railing (alternate)	2.25	2.70	4.40	2.60
Extended totals	$190,695	$194,558	$207,252	$228,906

CONTRACTS AWARDED

Mass., Brighton (Boston P. O.)—Apartment—Summit Realty Trust, 40 Court St., Boston, will build six 3 story and basement, 60 x 80 ft., brick, plain foundations, Woodstock Ave. and Warren St., here, by day labor. $350,000. Silverman, Brown & Heenan, 51 Cornhill, Boston, archts. Noted Jan. 18.

Mass., Brighton (Boston P. O.)—Sales—Commonwealth Investment Co., 40 Court St., Boston, will build 1 story and basement, 100 x 260 ft., brick and stone, plain foundation, Commonwealth Ave., here, by day labor. $275,000. Noted Jan. 18.

Mass., Brookline (Boston P. O.)—Apartment—N. Kriuitsky, 28 School St., Boston, will build 5 story, 90 x 150 ft., brick and stone, plain foundation, Commonwealth Ave., here, by day labor. $275,000. S. S. Eisenberg, 46 Carnhill, Boston, archt.

N. Y., New York—Apartment—Brandt Building Corp., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., 5 story, 50 x 100 ft., brick, steel and stone, plain foundation, Edgecomb Ave., by day labor. $250,000. Noted Jan. 11.

N. Y., New York—Apartments—Brodsky & Klosk, c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., two 5 story, brick, steel and stone, plain foundations, Grand Concourse and 169th St., by day labor. $175,000 each.

N. Y., New York—Apartment—W. Phelan, c/o Moore & Landseidel, archts. and engrs., 148th St. and 3rd Ave., 5 story, brick, steel and stone, plain foundation, Kingsbridge Rd., by day labor. $250,000.

N. Y., New York—Office—F. T. Ley & Co., 19 West 44th St., 23 story, brick, steel and stone, plain foundation, Liberty St. and Bway. $6,000,000. Owner is builder, will award separate contracts. Starrett & Van Vleck, 8 West 40th St., archts. and engrs.

N. J., Avon-by-the-Sea—Apartment—W. H. Post, c/o H. R. Kenyon, archt. and engr., 103 Park Ave., New York City, brick, steel

Buildings (Continued)

and stone, plain foundation, Lincoln Ave., here, to W. H. Pawson, 103 Park Ave., New York City. Archts. est. $900,000.

N. J., Newark—Exchange—New York Telephone Co., 15 Dey St., New York City, altering present building and constructing 3 story, 50 x 75 x 150 ft., brick, steel and stone addition, plain foundation, Bloomfield Ave. and Crittenden St., here, to W. A. L'Hommedieu & Co., 1 Madison Ave., New York City. Archts. est. $250,000.

N. J., Newark—School—Bd. Educ., City Hall, Broad St., Milford School, brick, steel and stone, plain foundation, 18th Ave. and Boyd St., to Morgan Constr. Co., 207 Market St., $267,762. Archts. est. $255,000.

N. J., Ocean City—Hotel—Ocean City Hotel Co., 8 story and basement, 34 x 150 ft., 112th St. and boardwalk, to D. A. McClellan, Drexel Bldg., Phila., $850,000.

Pa., Hazleton—Bank and Office—Markle Banking & Trust Co., 6 story, brick, steel and stone, plain foundation, Broad and Wyoming Sts., to F. T. Leey & Co., 19 West 44th St., New York City. Archts. est. $250,000.

Pa., Phila.—Community—Federation of Jewish Charities, 1512 Walnut St., 4 story and basement, 45 x 128 ft., 9th and Pine Sts., to W. Linker & Co., 735 Cherry St., $150,000. Noted Jan. 4.

Pa., Phila—Loft—Allied Realty Co., c/o Webber & Wurster, archts., Morris Bldg., 8 story and basement, 80 x 95 ft. rein.-con. and brick, plain foundation, 6th and Cuthbert Sts., to Turner Constr. Co., 1716 Sansom St., $300,000.

Tenn., Memphis—Church—First Baptist Church, Linden Ave., 1½ story addition to church and Sunday School, cream brick and stone, to W. C. Owens, 1181 Wellington St. Archts. est. $150,000.

Ky., Louisville—Hospital—Kentucky Baptist Hospital, 824 Barrett Ave., 6 story, concrete and brick, Barrett Ave., to Rommel & Co., 956 Logan St., $250,000. Noted Nov. 9.

O., Lakewood (Cleveland P. O.)—Commercial and Market—Union Properties Co., c/o W. Rohn, secy., Cleveland Discount Bldg., Cleveland, general contract 3 story, 178 x 281 ft., brick, steel and concrete, 11826 Detroit Ave., here, to Alexander Bros., Williamson Bldg., Cleveland. Archts. est. $350,000.

O., Wooster—High School—Bd. Educ., 3 story and basement, 95 x 188 ft., 62 x 81 ft. and 24 x 80 ft., brick and concrete, to J. I. Barnes, South Bend, Ind. (street address not available), $327,215. Noted Jan. 25.

Ill., Chicago—Hotel—Buena Park Hotel Corp., c/o A. S. Hecht, archt., 155 North Clark St., 7 story, 53 x 105 ft., rein.-con., brick and steel, Buena Park and Hazel St., to G. H. J. Haas, 130 North Wells St. Archts. est. $400,000. Noted Dec. 21.

Wis., Kohler—Clubhouse—Kohler Co. (plain foundation and 1st floor) of 3 story and basement, 34 x 239 ft., brick, tile and concrete addition, to F. Radloff Co., Plymouth. Bids soon on balance of superstructure. Total $150,000.

Wis., La Crosse—Nelson Garment Co., 111 South 2nd St., superstructure 1 and 2 story, 90 x 160 ft., brick and timber factory, to J. Lee, 1903 Liberty St. and A. Keim, 2521 Fremont St. Archt. est. $55,000.

Wis., Milwaukee—Store—Gimbel Bros., 3 Grand Ave., 8 story and basement (3 units) 77 x 120 ft., 50 x 177 ft. and 42 x 175 ft., brick, concrete and steel, plain foundations, Grand Ave., to W. W. Oeflein, 86 Kichigan St. $800,000-$1,000,000. Noted Dec. 14.

Minn., Chisholm—Junior High School—Bd. Educ., 3 story, 249 x 422 ft., rein.-con. and brick, general contract, to Madsen Constr. Co., Builders Exch., Minneapolis, $442,000. Archts. est. $500,000. Noted Jan. 18.

Mo., Kansas City — Club — Marquette Council 1698, Knights of Columbus, general contract 5 story and basement, 131 x 138 ft., rein.-con., brick, steel and terra cotta, Forest Ave. and Armour Blvd., to Edelman-Flushing Constr. Co., 320 New York Life Bldg., $400,000. Noted Dec. 14.

Mo., Kansas City—Temple—Mt. Moriah Cemetery Assn., 100 Interstate Bldg., 54 x 104 ft. temple with 106 x 154 ft. court, 105th and Holmes St., to L. M. Rowland, 623 Bryant Bldg., $150,000. Noted Nov. 30.

Mo., St. Louis—High School—St. Louis University, Grand and West Pine Sts., general contract 3 story, 250 x 460 ft., rein.-con. and brick, plain foundation, Oakland Ave., to Caldwell Constr. Co., Ry. Exch. Bldg.; iron work, to Foerster-Kaysing, 2710 North 25th St.; excavating, etc., to J. A. Bellinger, 7713 Virginia St. Archts. est. $500,000.

Mo., St. Louis—Hotel Apartment—A. A. Wagner, 5628 Delmar Blvd., 7 story, 48 x 190 ft., rein.-con. and brick, plain foundation, Clara Ave., to F. L. Cornwell, La Salle Bldg. Archts. est. $350,000.

Mo., Webster Groves—Convent—Sisters of Mercy, general contract two 3 story, 50 x 150 ft. additions, rein.-con. and brick, plain foundations, Lockwood Ave., to J. Grewe Constr. Co., Century Bldg., St. Louis. Archts. est. $150,000.

Tex., Houston—Office—Houston Cotton Exch., (street address not available), 16 story and basement, brick and steel, cassion foundation, Prairie and Caroline Sts. to D. Hall Constr. Co., 613 Carter Bldg., $1,500,000. Archts. est. $1,000,000. Noted Dec. 21.

Calif., Fresno—Store and Office—Blacks Package Co., 1025 Van Ness St., 2 story, 100 x 150 ft., Inyo and Van Ness Sts., to R. F. Felchlin Co., Bank of Italy Bldg., $150,000.

Cal., Long Beach—Hotel and Store—El Boliver Holding Co., c/o Milton Realty Co., 12 and 14 story, rein.-con., to Heitmann Constr. Co., Merritt Bldg., Los Angeles, $1,250,000.

Calif., Los Angeles—Hotel—Davenport Corp., c/o H. H. Whiteley, archt., 520 South Western Ave., 7 story, brick and steel, also ice making plant and garage, Hollywood Blvd. near Carols St., to Heitman Constr. Co., Merritt Bldg., $2,000,000.

Calif., Tanforan—Clubhouse—G. A. Applegarth, archt., Claus Spreckels Bldg., San Francisco, 2 story, frame and plaster, to Grace & Bernieri, 703 Market St., San Francisco, $200,000, for Pacific Coast Jockey Club, c/o H. Spreckels, secy., 1st Natl. Bank Bldg., San Francisco. Noted Jan. 4.

B. C., Vancouver — Store — Woodwards Dept. Stores, Ltd., Hastings and Abbott Sts., 6 story, 86 x 86 ft. rein.-con., brick, steel and stone addition, Hastings and Abbott Sts., to Dominion Constr. Co., Ltd., 509 Richards St., $115,000. Noted Jan. 4.

Federal Government Work

PROPOSED WORK

N. Y., New York—Dredging—U. S. Engineer, 1st Dist., plans dredging at Flushing Bay.

Tenn., Memphis—Tank and Tower—Mississippi River Comn., 1st and 2nd Dists., Custom House, plans to purchase water tank and tower for U. S. Dredge Depot.

La., New Orleans—Dredging—U. S. Engineer, 329 Custom House, plans dredging Intercostal Waterway, near Houma.

Idaho—Roads—U. S. Forestry Dept., Bureau Pub. Rds., Missoula, Mont., plans to build Copeland-Porthill, Grangeville-Elk City, Wallace-Avery, Bonners Ferry-Eastport, Harvard-Enida and Bonners Ferry-Porthill Rds., total length 15 mi. $404,000. C. H. Purcell, dist. engr.

Calif., Mare Island—Riprapping Dike—Spec. 4775—Bureau Yards & Docks, Navy Dept., Wash., D. C., soon receives bids placing about 50,000 ton hard stone riprap along longitudinal dike at Navy Yards, here. Noted Jan. 11.

BIDS DESIRED

Va., Norfolk —Dredging—Spec. 4771—Feb. 7 by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging approximately 14,000 cu.yd. at Navy Yard, here. Noted Dec. 21.

Miss., Gulfport—Hospital—Spec. 4774—Feb. 26, by Bureau Yards & Docks, Navy Dept., Wash., D. C., for U. S. Veterans' Hospital, here. Noted Jan. 11.

Miss., Gulfport — Refrigerating Equipment—Spec. 4780—Feb. 21, by Bureau Yards & Docks, Navy Dept., Wash., D. C., refrigerating and ice-making equipment for U. S. Veterans' Hospital, here. Noted Jan. 18.

California—Roads—Feb. 14, by C. H. Sweetser, dist. engr., U. S. Bureau Pub. Rds., Dept. Agriculture, 881 Mills Bldg., San Francisco, 4.1 mi. road, Salmon River Project, Siskiyou Co., 103,581 cu.yd. excav., 40 cu.yd. Class A concrete, 1,088 ft. corrugated metal pipe, 320 cu.yd. cement rubble masonry, etc. Noted Dec. 21.

Calif., Eureka—Stone—March 2, at office U. S. Engineer, Custom House, furnishing and delivering approximately 80,000 ton stone at entrance to Humboldt Bay. Noted Dec. 7.

Calif., Mare Island—Extension to Shell House, etc.—Spec. 4742—Feb. 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., 1 story extension to shell house and magazine buildings, steel, hollow tile, and stucco, concrete foundations on timber piles, also lightning protection system, etc., here. Noted Oct. 12.

BIDS RECEIVED

D. C., Wash.—Extension—Spec. 4773—Bureau Yards & Docks, Navy Dept., extension to refrigeration and cold storage plant, at Navy Yard, here, from Frick Co., Waynesboro, Pa., $17,950; Clothel Refrigerating Co., 61 Bway., New York City, $18,826; Chatard & Norris, 304 Continental Bldg., Baltimore, Md., $22,688. Noted Jan. 11.

H. T., Pearl Harbor—Refrigerating and Ice-Making Plant—Spec. 4735—Bureau of Yards & Docks, Navy Dept., Wash., D. C., refrigerating and ice-making plant, here, from Vilter Mfg. Co., 935 Clinton St., Milwaukee, Wis., $17,670; W. Olund, 820 Pukei St., Honolulu, $18,796; Shipley Constr. Co., 42nd St. and End Ave., Brooklyn, N. Y., $35,125. Noted Dec. 14.

CONTRACTS AWARDED

N. Y., Tupper Lake—Plumbing—Spec. 4718c—Bureau Yards & Docks, Navy Dept., Wash., D. C., plumbing at U. S Veterans' Hospital, here, to W. G. Cornell Co., 17 Patterson St., N.E., Wash., D. C., Items 9, 10a, 10b, 10c, 10d, 10e and 10f, $105,720. Noted Dec. 7.

Pa., Phila.—Scows—U. S. Engineer, 815 Witherspoon Bldg., 4 steel dump scows to Newport News Shipbuilding Co., Newport News, Va., $190,000. Noted Dec. 28.

Va., Norfolk—Dredging—U. S. Engineer, Custom House, dredging in Appomattox River, to W. H. French Dredging and Wrecking Co., Citizen's Bank Bldg., Norfolk, $21,902. Noted Nov. 2.

Wash., Smith Island—Sheds, Filters, etc. — Spec. 4752 — Bureau Yards & Docks, Navy Dept., Wash., D. C., rain sheds, filters, cisterns, fuel sheds and walk, at Naval Radio Compass Station, here, and at New Dungeness, to B. Ward, Peoples Bank Bldg., Seattle, $6,296. Noted Jan. 25.

Wash., Tacoma—Hospital—Director U. S. Veterans' Bureau, Wash., D. C., Neuro-Psychiatric Hospital at American Lake, here, to Hurley-Mason Co., Gasco Bldg., Portland, Ore., $1,397,000 (260 days). Noted Jan. 25.

Calif., San Diego—Garage, Fence, etc.—Spec. 4741—Bureau Yards & Docks, Navy Dept., Wash., D. C., garage, fence and pavement at Naval Base Supply Depot, here, to Cornell & Rauch, National City, $13,925. Noted Jan. 25.

Miscellaneous

PROPOSED WORK

Light and Power Lines—New York—Depew Light, Power & Conduit Co., Perry, plans extending its light and power lines to towns of Cowlesville, Bennington, Strykersville, Java, Curriers, etc. $25,000.

Steam Roller—Leroy, N. Y.—Plans to purchase new 10 ton steam roller with scarifying attachment. $4,000. A. Palmer, village supt.

Underground Cables—Kingston (Wilkes-Barre P. O.), Pa.—See "Industrial Works."

Seawall and Fill—West Palm Beach, Fla.—Plans seawall and fill along Lake from 10th to Hudson Sts. $40,000. K. Riddle, city mgr.

Terminals, etc.—West Palm Beach, Fla. City to vote on $250,000 bonds building waterfront terminals, docks, belt railway line and buying property. K. Riddle, city mgr.

Car Barn—Louisville, Ky.—Louisville Ry. Co., Traction Bldg., having plans prepared by D. X. Murphy & Bro., archts., Louisville Trust Bldg., for car barn, concrete, to replace one recently destroyed by fire, 4th and Avery Sts. $200,000.

Pier — Cleveland, O. — See "Industrial Works."

Road Machinery—Prairie Du Chien, Wis.—Crawford Co. appropriated $2,000 for road machinery. J. N. Campbell, comr.

Rock Crusher and Grader—Minneapolis, Minn.—Hennepin Co., rejected bids opened Jan. 8, rock crusher, and 1 grader with scarifier attached. Noted Dec. 28.

Dump Truck, etc.—Wichita, Kan.—M. R. Ammerman, 248 North Market St., plans to purchase new heavy duty 3-3½ ton dump truck, also concrete paving mixer.

Concrete Mixer—Kansas City Mo.—P. H. Morley, 9th and Main Sts., plans to purchase new concrete mixer.

Drilling—Smackover, Ark.—Vitek Oil & Refining Co., c/o P. Vitek, trustee, El Do-

Miscellaneous (Continued)

rado, plans extensive drilling operations for oil and gas, here. $75,000.

Gas Plant Improvements, etc.—Oregon— Mountain State Power Co., Eugene, plans to improve gas plants at Eugene and Marshfield, water system at Albany, and electrical equipment for power line from Prospect to Springfield, etc. $200,000. F. Brown, mgr.

Structural Steel—San Francisco, Calif.— City and San Francisco Co. soon take bids furnishing, fabricating and erecting 350 ton structural steel for Mocassin Creek Power Plant. M. M. O'Shaughnessy, city engr.

Wharf—Pembroke, Ont.—Dominion Government, Dept. Pub. Wks., Ottawa, having plans prepared and soon takes bids concrete and timber wharf, here. $125,000. A. St. Laurent, c/o Dept. Pub. Wks., engr.

Subway — Toronto, Ont. — Dept. Pub. Wks. had estimates prepared for concrete and steel subway under Grand Trunk Ry. tracks north from Gerrard St. between Greenwood and Coxwell Aves. Three locations under consideration, Morley Ave. $39,000, Hiawatha Rd. $36,000, and Ashdale Ave. $70,000. Morley Ave. location favored. R. C. Harris, city engr.

Grain Elevator—Vancouver, B. C.—Dominion Government and Vancouver Harbor Comrs., 712 Pender St. W., having plans prepared reinforced-con. addition to elevator, 1,000,000 to 1,250,000 bu. capacity. $1,000,000 to $1,500,000.

Power Line—Vancouver, B. C.—British Columbia Electric Ry. Co., 325 Carroll St., takes bids in about 2 months, high voltage transmission line from Buntzen Lake power house via Port Moody to Vancouver. $47,000. J. I. Newell, c/o owner, engr.

BIDS DESIRED

Park—Astoria, N. Y.—Feb. 8, by Park Bd., at office of Dept. Parks, Municipal Bldg., New York City, improving Astoria Park, here. F. D. Gallatin, pres.

Plumbing and Drainage—Brooklyn, N. Y.—Feb. 5, by J. E. Douglass, acting supt. School Buildings of Bd. Educ., Flatbush Ave. extension and Concord St., plumbing and drainage work in Thomas Jefferson High School, northerly side of Dumont Ave. from Pennsylvania to Sheffield Aves.

Portland Cement, etc.—New York, N. Y.—Feb. 7, by J. Miller, pres, Manhattan Boro. Municipal Bldg., furnishing and delivering 20,000 bags Portland cement, 3,000 cu.yd. paving sand, 50,000 granite paving blocks, 600 ton asphaltic paving cement, 3,000 cu.yd. coarse aggregate for concrete, 3,000 ton inorganic dust and 2,000 cu.yd. paving grits.

Underground Fire Alarm System—New York, N. Y.—Feb. 5, by T. J. Drennan, fire comr., Municipal Bldg., constructing portion of underground fire alarm system.

Steam or Motor Roller—Flemington, N. J.—Feb. 8, by Bd. Freeholders, Hunterdon Co., one 10 ton steam or motor roller with scarifier attached. F. J. Dineen, clk.; adv. this issue.

Power and Lighting Systems, etc. — Phila., Pa.—Feb. 9, by Director of Dept. Wharves and Ferries, Chestnut St. pier, wiring for power and lighting systems, 5 transformers, oil switches, panels, fixtures, etc., at Pier 4, Wharves North, $25,000, heating and hot water systems in Pier 3, North Delaware River, $35,000, furnishing bolts, bar steel, castings, cement, 21,000 ft. lumber, $10,000. G. F. Sproul, Chestnut St. pier, engr.

Supplies—Phila., Pa.—Park Comrs., 127 City Hall, taking bids iron for frames, grates, etc.; plumbing supplies, incl. pipe, solder, lead pipe, pig lead, w.i. pipe, ¾ to 2½ in. galvanized pipe; paving granite block, vitr. block, curbing, asphalt, 23,000 brick, cement, lime, sand, gravel, 110,000 ft. various kind of lumber, etc. A. Corson, City Hall, engr.

Supplies—Phila., Pa.—Feb. 6, by Park Comrs., 127 City Hall, furnishing tools and supplies, axes, bolts, files, pliers, wrenches, etc. $25,000. A. Corson, City Hall, engr.

Terra Cotta Drains, etc. — Charleston, S. C.—Feb. 20, by Street Dept., 35,000 ft. terra cotta and 3,000 ft. rein.-con. drains and appurtenances. J. H. Dingle, city engr.; adv. this issue.

Coffee Conveyors—New Orleans, La.—Feb. 8, by Bd. Port Comrs., New Court Bldg., four coffee conveyors, for use at Poydras St. shed.

Road Oil—Urbana, Ill.—Feb. 15, by R. F. Fisher, engr., Court House, furnishing and spreading 2,500,000 gal. E3 road oil on township roads in Champaign Co.

Pipe, Piling, etc.—Cresco, Ia.—Feb. 8, by Auditor Howard Co., 2,620 ft. culvert pipe, 1 car piling and 6 cars lumber. L. Brown, co. engr.

Lumber, etc.—Burlington, Ia.—Feb. 6, by Auditor Des Moines Co., furnishing 2 cars lumber, 2,300 ft. corrugated culvert metal and 40,000 lb. reinforcing steel. C. E. Waterhouse, co. engr.

Bridge Lumber, etc.—Eldora, Ia.—Feb. 6, by Auditor Hardin Co., 6 cars bridge lumber and 2 cars piling. J. R. Maher, co. engr.

Lumber and Steel—Fairfield, Ia.—Feb. 5, by Auditor Jefferson Co., furnishing 116,179 ft. fir lumber and aproximately 40,000 lb. reinforcing steel. M. H. Bryant, co. engr.

Lumber, Piling, etc.—Garner, Ia.—Feb. 9, by Auditor Hancock Co., 3 cars bridge lumber, 3 cars piling and 4,700 ft. corrugated culvert metal. C. F. Merten, co. engr.

Bridge Lumber—New Hampton, Ia.—Feb. 13, by Auditor Chickasaw Co., 150,000 ft. fir lumber and 4 cars cypress piling. W. R. Garland, co. engr.

Lumber, Steel, etc.—Newton, Ia.—Feb. 6, by Auditor Jasper Co., furnishing 225,000 ft. fir lumber, 400,000 lb. reinforcing steel, 7,500 bbl. cement and 4 cars red cedar piling. R. McMurray, Newton, co. engr.

Lumber, etc.—Sigourney, Ia.—Feb. 9, by Auditor Keokuk Co., 166,790 ft. lumber, 2,294 ft. piling and 35 steel caps. B. J. Conlon, co. engr.

Lumber and Steel—West Union, Ia.—Feb. 7, by Auditor Fayette Co., 11 cars lumber and 90,000 lb. reinforcing steel. A. D. Finch, co. engr.

Road Grader—Biwabik, Minn.—Feb. 14, by Biwabik Twp., one 12 ft. blade road grader, quick lift type.

Bridge Lumber—Minneapolis, Minn.—Feb. 5, by A. P. Erickson, aud. Hennepin Co., 420 pieces bridge lumber, 3 x 12 ft., total 30,240 ft.; also 10,000 sq.ft. oak flooring. J. W. Shaffer, co. surveyor.

Truck Tractors—Minneapolis, Minn.—Feb. 6, by F. S. Gram, city purch. agt., two 5 ton capacity, and two 3½ ton capacity truck tractors, for Garbage Dept. N. W. Elsberg, city engr.

Caterpillar Tractor, Auto Truck, etc.—Rochester, Minn.—Feb. 6, by A. L. Glabe, aud. Olmstead Co., 1 caterpillar tractor 40 hp. drawbar capacity; 1 auto truck with pneumatic tires and dump body; one 12 in. blade grader with engine hitch.

Tractor—Onida, S. D.—Feb. 6, by C. L. Glessner, aud. Sully Co., one Aultman & Taylor 30-60 tractor. Old 30-60 tractor must be taken as part payment.

Lumber—Minot, N. D.—Feb. 7, by R. W. Kennard, aud. Ward Co., 2 carloads bridge lumber and corrugated metal culverts.

Graders—Clarksville, Tex.—W. McMaster, purch. agt. Red River Co., taking bids one 7 ft. and one 8 ft. grader with or without engine hitch.

Fire Fighting Equipment, etc.—Houston, Tex.—City Comn., taking bids fire fighting equipment, incl. valves, hydrants, etc., for Turning Basin on Ship Channel, $4,500. J. C. McVea, city engr.

Motor Street Flusher—San Francisco, Calif.—Feb. 5, by J. S. Dunnigan, clk. Bd. Supervs., furnishing and delivering 1 motor street flusher, for city and San Francisco Co. M. M. O'Shaughnessy, city engr.

Steel Dump Hoist—San Jose, Calif.—Feb. 19, by H. F. Pfister, clk. Bd. Supervs. Santa Clara Co., furnishing and delivering 1 or more 4 yd. steel dump Heil Hydro-Hoists No. 5, direct acting.

Wharf—Grand River, Que.—Feb. 22, by R. C. Desrochers, secy. Dept. Pub. Wks., Ottawa, Ont., extending wharf here. $30,000. A. St. Laurent, c/o Dept. Pub. Wks., Ottawa, engr.

Steel Rails—Toronto, Ont.—Natl. Fireproofing Co. of Canada, Dominion Bank Bldg., taking bids several ton 20 lb. steel rails.

BIDS RECEIVED

Plumbing and Drainage Work—Brooklyn, N. Y.—C. B. J. Snyder, supt. School Building of Bd. Educ., Flatbush Ave. extension and Concord St., opened bids Jan. 29, plumbing and drainage work in P. S. 192, from W. J. Endres, Grand Central Terminal, New York, $38,383; J. E. Kahn, 224 West 20th St., New York, $39,200; Wells & Newton, Ave. B and 17th St., New York, $39,395.

Bulkhead Wall—New York, N. Y.—Comr. Docks & Ferries, Pier A, North River, opened bids Jan. 22, concrete bulkhead wall along Harlem River driveway between 165th and 193rd Sts., from Phoenix Constr. Co., 41 Park Row, $179,987; Treis Contg. Co., 128 East 59th St., $186,986; G. A. Rodgers, $193,973. Noted Jan. 18.

Motor Trucks—New York, N. Y.—J. Miller, pres. Manhattan Boro. Municipal Bldg., opened bids Jan. 26, furnishing and delivering six 5 ton motor trucks from White Co., Thompson Ave., Long Island City, $27,250, International Motor Co., 252 West 64th St., $34,735; three 2½ to 3 ton motor trucks, from Herrman Motors, $8,422, Brockway Motor Truck Co., 235 West 61st St., $8,780.

Motor Trucks—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro. Queens Subway Bldg., opened bids Jan. 22, furnishing and delivering twenty-one 2½ to 3½ ton motor trucks, from White Co., Thompson Ave., $95,865; Pierce Arrow Trucking Co., 336 St. Marks Ave., Brooklyn, $98,511; Four Wheel Drive Auto Co., 50 West 145th St., New York City, $98,997. Noted Jan. 18.

Plumbing and Drainage Work—New York, N. Y.—C. B. J. Snyder, supt. School Building of Bd. Educ., Flatbush Ave. extension and Concord St., Brooklyn, opened bids Jan. 29, plumbing and drainage work in (1) P. S. 65 (2) P. S 69, Bronx Boro, from W. J. Endres, Grand Central Terminal, (1) $35,421 (2) $18,118; J. E. Kahn, 224 West 20th St., (1) $38,261; J. J. Kenney Co., 220 West 20th St., (1) $39,900; N. P. Lorenzo, 430 Pearl St., (2) $18,640; Nally Plumbing & Contg. Co. Inc., 172 West 98th St., (2) $18,481.

Timber Jetties, etc.—Rockaway Beach (Far Rockaway P. O.), N. Y.—Dept. Parks, Municipal Bldg., New York City, opened bids Jan. 25, timber jetties and bulkheads on ocean side of Jacob Riis Park, here, from S. Casalino, Inc., $60,944; A. M. Hazell, Inc., 26 Cortlandt St., New York, $69,547; Phoenix Constr. Co., 41 Park Row, New York, $79,897. Noted Jan. 18.

CONTRACTS AWARDED

Foundation—Cambridge, Mass.—Ginn & Co., 15 Ashburton Pl., Boston, foundation for 5 story and basement, 55 x 325 ft. printing plant addition, rein.-con. and brick, 1st St., here, to Scully Co., 118 1st St.

Heating and Ventilating Apparatus, etc. —New York, N. Y.—J. E. Douglass, acting pres. School Buildings of Bd. Educ., Flatbush Ave. extension and Concord St., Brooklyn, heating, ventilating, and temperature regulating apparatus, in P. S. 69, P. S. 80, East 120th St. and P. S. 139, West 140th St., to W. J. Olvaney, 100 Charles St., $37,806, $55,358 and $64,236 respectively. Noted Jan. 18.

Tar Patching Material, etc. — Trenton, N. J.—Mercer Co., Court House, 40,000 gal. tar patching material, Grade K.P., to T. Tobish, Amer. Mechanic Bldg., $7,600; 20,000 gal. asphalt "cut back" Grade H.K., to Warner-Quinlan Co., 79 Wall St., New York City, $3,246. Noted Jan. 11.

Pier, etc.—Phila., Pa.—Phila. & Reading Terminal, 900 ft. pier, installing 120 car dumping machines, power plant, thawing house, to McMyler-Interstate Co., Stop 27, A B and C Electric Ry., Bedford, O. $1,500,000.

Heating Work—Wooster, O.—Bd. Educ. heating work in 2 story high school, from Thatcher Heating Co., 46 South Bway., Akron, $61,500.

Foundation — Kohler, Wis.—See "Buildings" under Clubhouse.

Roofing Gravel and Refined Tar, etc.—Clayton, Mo.—W. Elbring, engr. St. Louis Co., Court House, furnishing 1,713 ton, 3,109 ton and 1,217 ton roofing gravel, to St. Louis Material & Supply Co., 314 North 4th St., St. Louis, $1.65, $1.78 and $1.80 respectively; 337,567 gal. refined tar, to Barrett Co., Laclede Gas Light Bldg., St. Louis, $11.24; 2,457 squares macadam, to H. E. Heintz, G. H. Knoche & Co., F. Steffen, 4760 Seibert Ave., Maplewood, J. F. Rothwell, 731 North Euclid St., St. Louis, Bambrick Bros. Constr. Co., 5229 St. Louis Ave., St. Louis, and Big Bend Quarry Co., Lulu Ave. and Wall Rd., Webster, prices range from $7.40 to $10.50; 1,440 squares gravel, to W. W. Sutton, F. A. Wallash, E. Wolff, H. Studer, W. H. Nolan, W. O. Bopp, Ballwin, P. Meyer, Webster, E. Kasebaum, Clayton, F. C. Poertner, Allenton, W. Krueger, Allenton, A. Kiefer, Kirkwood, J. E. Devine, Valley Park, J. G. Lehman, Jr., Maplewood, and O. Bauer, Eatherton, prices range from $2 to $8.20; 110 squares creek gravel, to G. Corless and P. Meier, prices range from $6.35 to $6.75; 141 squares ¾ macadam, to E. Steffen, 4760 Seibert Ave., Maplewood, $9; 242 squares bank gravel, to A. Schaedler and A. Jaeger, Webster, prices range from $2.67 to $5.71. Noted Dec. 21.